



UNIVERSITY OF POONCH RAWALAKOT

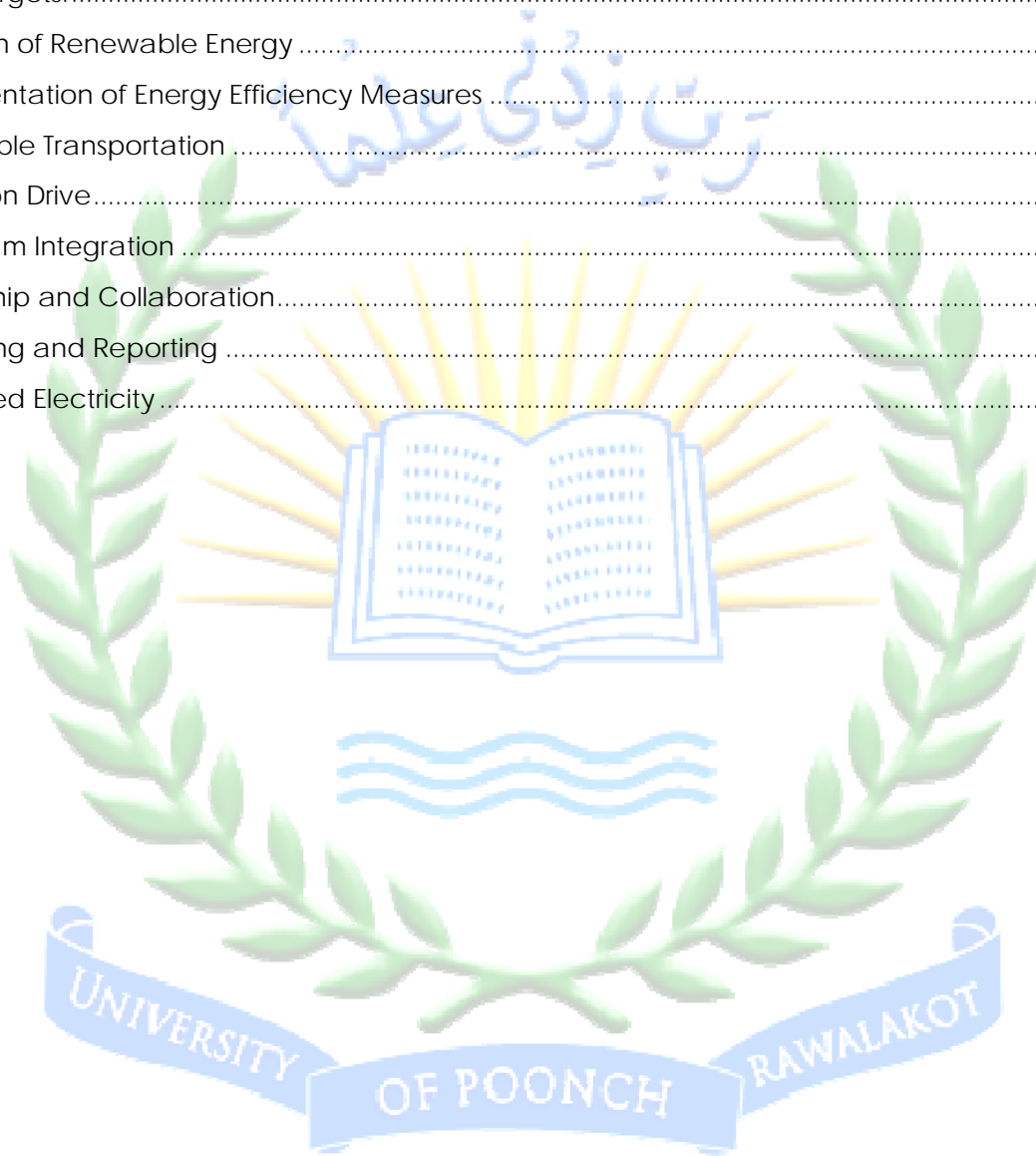
CLIMATE ACTION PLAN

2022-2030



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SUSTAINING ENVIRONMENT

The University of Poonch (UPR) has a bold vision of sustaining an environment where all people have clean air to breathe, clean water to drink and access to resources to live a healthy life. Tackling climate change is not just a technological challenge, it is a moral, ethical and social justice issue. Our Plan details the major goals, projects and initiatives to most effectively and quickly ratchet down our greenhouse gas emissions, while infusing values of justice, equity and inclusivity. We focused on making our University as environmentally friendly.

The University of Poonch, Rawalakot, recognizes the pressing need to address climate change and is committed to taking decisive action. This comprehensive Climate Action Plan outlines our strategies and targets to reduce greenhouse gas emissions, embrace renewable energy sources, enhance energy efficiency, promote sustainable transportation, and adapt to the impacts of climate change. We are dedicated to partnering with local government and community groups to collectively combat this global challenge. Our institution has identified major areas where we can achieve the largest and most cost-effective carbon reductions.



SUSTAINABLE DEVELOPMENT GOALS AS GUIDING PRINCIPLE

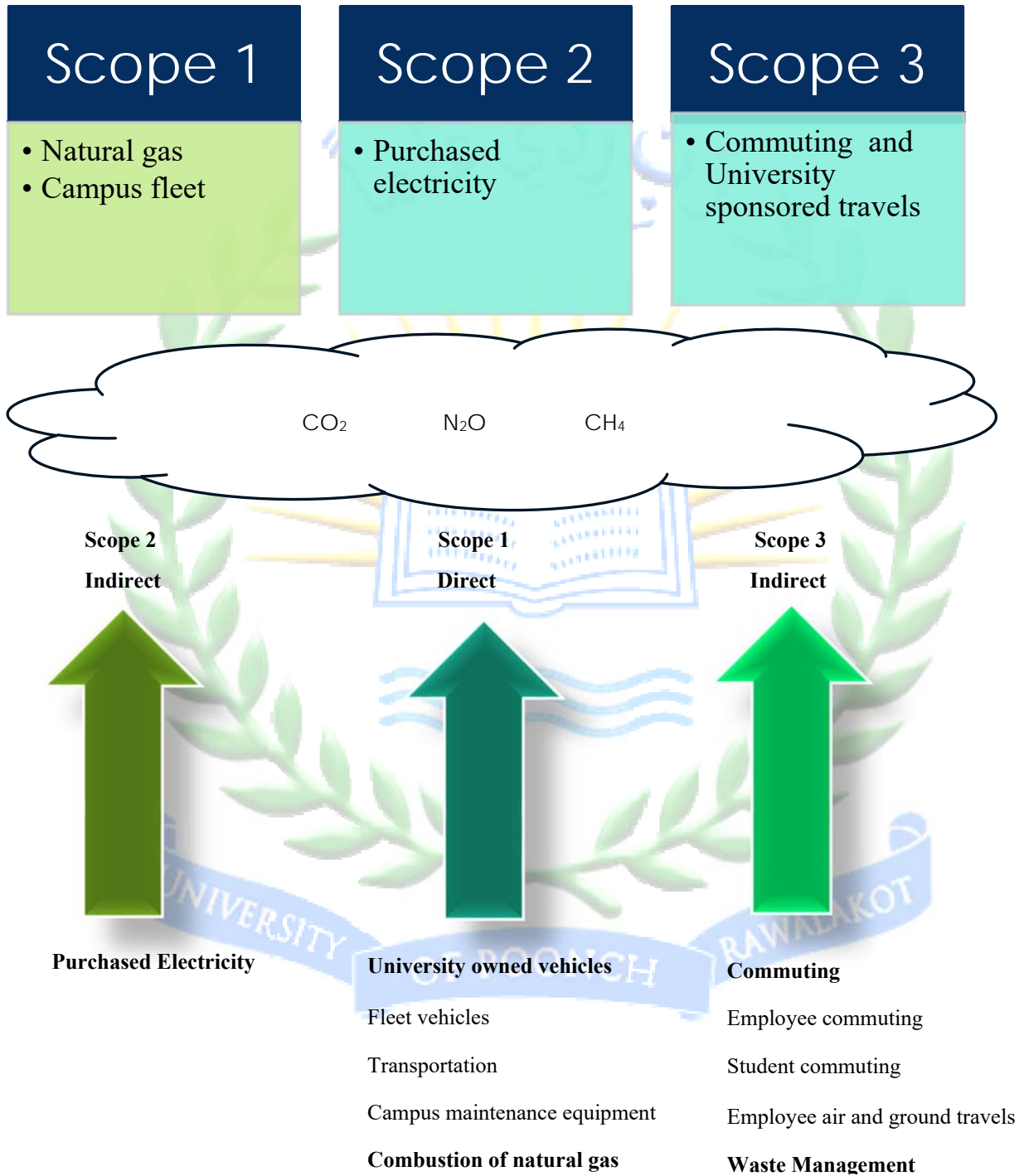
The basic guideline for climate action is sustainable development goals.

SUSTAINABLE DEVELOPMENT GOALS



The United Nations' **Sustainable Development Goals** represent an immediate imperative for global participation, extending to nations and organizations alike. These objectives acknowledge the imperative of simultaneous efforts to eradicate poverty and address various forms of deprivation, while also prioritizing enhancements in healthcare and education, the reduction of disparities, and the promotion of economic development. All of this must be accomplished in conjunction with robust measures to combat climate change.

MAJOR EMISSIONS



OUR EMISSIONS OVERVIEW

UPR OPERATIONAL IMPACT ON GREENHOUSE GAS EMISSIONS

Greenhouse gas emissions are classified into three scopes: **Scope 1** encompasses emissions from sources owned or directly controlled by an organization, **Scope 2** encompasses emissions from purchased energy sources, and **Scope 3** includes all other emissions, such as those generated from travel.

The University of Poonch is currently conducting an emissions overview, breaking down emissions into their respective scopes for accurate quantification.

Scope 1

- Direct transportation
- Refrigerants and chemicals
- Fertilizers

Scope 2

- Purchsed Electricity

Scope 3

- Commuting
- Traveling
- Waste/waste water



DECARBONIZATION (REDUCING GREENHOUSE GAS EMISSIONS)

OUR TARGETS:

30% reduction in greenhouse gas emissions by 2025.

Achieve carbon neutrality for Scope 1 and 2 emissions by 2030.

Work towards carbon neutrality for Scope 3 emissions by 2050.

We acknowledge the urgency of the climate crisis and understand that swift action is crucial to prevent severe global climate destabilization. Our ambitious **decarbonization goals** include specific area-focused targets:

- **100% LED Lighting by 2030:** Implement energy-efficient LED lighting throughout the campus by 2030 to reduce electricity consumption.
- **100% Renewable Energy Portfolio:** Transition all energy accounts to renewable sources to eliminate carbon emissions associated with energy consumption.
- **50% On-Site Renewable Energy by 2050:** Invest in on-site renewable energy generation to reduce dependence on fossil fuels.
- **Emissions-Free Fleet by 2030:** Replace conventional vehicles with emissions-free alternatives, such as electric vehicles.
- **Climate Education:** Mandate that all students complete at least one climate-related course to raise awareness and understanding of climate issues.

ADOPTION OF RENEWABLE ENERGY

- Pursue on-site renewable energy sources to reduce emissions, enhance financial sustainability, and promote resilience.

- Aim to reach a significant percentage of renewable energy in our total energy usage.
- The 30 percent buildings will be installed with solar panels till 2029.

IMPLEMENTATION OF ENERGY EFFICIENCY MEASURES

- Conduct regular energy audits to identify opportunities for energy efficiency improvements.
- Prioritize energy-related projects and measures that yield the most substantial greenhouse gas reductions and financial savings.
- Conduct regular maintenance and tune-up of heating, ventilation, and air conditioning (HVAC) systems to ensure they operate efficiently.
- Replace traditional incandescent and fluorescent lighting with LED lighting, which is more energy-efficient and longer-lasting.
- Implement recycling programs and encourage waste reduction practices.
- Compost organic waste generated on campus.
- Capture and reuse rainwater

SUSTAINABLE TRANSPORTATION

- Encourage and incentivize alternative transportation modes such as biking, carpooling, and public transit to reduce single-occupancy vehicle use.
- Plan for electric vehicle infrastructure and charging stations to facilitate the transition to cleaner transportation options.
- Develop smart mobility applications to connect students and the campus community to safe, affordable, efficient, and clean transportation.

PLANTATION DRIVE

- Plantation drives planting indigenous and exotic trees and establishment of University orchards

CURRICULUM INTEGRATION

- Embed climate neutrality and sustainability into the curriculum and co-curricular educational experiences for all students.
- Increase the number of climate-related courses and co-curricular programs offered to enhance climate literacy and empower future leaders.

PARTNERSHIP AND COLLABORATION

- Forge partnerships with local government agencies, community groups, and neighboring institutions to amplify climate initiatives.
- Share knowledge, resources, and best practices to collectively address climate challenges.
- Pursue funding opportunities and grants to support climate action projects.

MONITORING AND REPORTING

- Establish a robust system for monitoring and reporting progress toward climate action goals.
- Publish annual reports to provide transparency and accountability in our climate efforts.

The University of Poonch, Rawalakot, is dedicated to leading by example in the fight against climate change. We believe that through ambitious targets, innovative strategies, and collaborative efforts, we can make a significant impact on reducing greenhouse gas emissions, embracing renewable energy, enhancing energy efficiency, promoting sustainable transportation, and preparing for the challenges of a changing climate. Together with our local government and community partners, we are committed to creating a sustainable and resilient future for all.

PURCHASED ELECTRICITY

Here are some key actions you can consider:

1. **Zero Waste Lifestyle:**
 - Reduce single-use plastics by using reusable bags, bottles, and containers.
 - Compost organic waste to divert it from landfills.
 - Opt for products with minimal or recyclable packaging.
2. **Green Purchasing:**
 - Choose products with eco-friendly
 - Support local and sustainable businesses.
 - Prioritize durable and long-lasting items over disposable ones.
3. **Recycling:**
 - Sort and recycle paper, cardboard, glass, plastic, and aluminum as per local recycling guidelines.
 - Educate yourself on what can and cannot be recycled in your area.
4. **Energy Conservation:**
 - Replace traditional light bulbs with energy-efficient LED.
 - Unplug electronic devices when not in use, or use smart power strips.

- Adjust your thermostat to conserve heating and cooling energy.
- Seal drafts and insulate your home to improve energy efficiency.

5. Water Conservation:

- Fix leaks promptly.
- Install low-flow faucets and showerheads.
- Collect rainwater for outdoor use.
- Only run your dishwasher and washing machine with full loads.

6. Transportation:

- Walk, bike, or use public transportation when possible.
- Carpool or rideshare to reduce the number of vehicles on the road.
- Consider purchasing a fuel-efficient or electric vehicle.

7. Waste Reduction:

- Buy in bulk to reduce packaging waste.
- Repair items rather than replacing them.
- Donate or recycle items you no longer need instead of throwing them away.

8. Conscious Consumption:

- Consider the environmental impact of your purchases.
- Support companies that prioritize sustainability and ethical practices.

9. Energy-Efficient Appliances:

- When replacing appliances, choose Energy Star-rated models.
- Use appliances during off-peak hours to reduce strain on the grid.

10. Reduce Water Usage:

- Install low-flow showerheads and faucets.
- Fix leaks promptly.
- Collect rainwater for outdoor watering.

11. Reduce Food Waste:

- Plan meals to avoid overbuying perishable items.
- Store food properly to extend its shelf life.
- Compost food scraps.

12. Support Renewable Energy:

- Investigate options for sourcing renewable energy for your home.
- Advocate for renewable energy policies in your community.

13. Educate Yourself and Others:

- Stay informed about environmental issues and solutions.
- Share your knowledge with friends and family to inspire change.

14. Participate in Community Initiatives:

- Join local environmental groups and participate in community cleanups and conservation projects.
- Attend town hall meetings to advocate for sustainable policies.

15. Reduce Air Travel:

- Consider alternatives to air travel when possible, such as train or bus journeys.

16. Support Sustainable Agriculture:

- Buy locally produced and organic foods.
- Visit farmers' markets to support local growers.

17. Conserve Paper:

- Use digital documents and e-books instead of printing.
- Print double-sided when necessary.

18. Reduce, Reuse, Recycle:

- Embrace the "reduce, reuse, recycle" mantra in your daily life to minimize waste.

19. Sustainable Gardening:

- Plant native species in your garden to support local ecosystems.
- Use organic gardening practices that minimize chemical use.

Taking action in these areas can make a significant positive impact on the environment while also promoting sustainability in your daily life. Every small effort counts, and collectively, these actions can contribute to a more sustainable and environmentally friendly future.