

	Policy on Clean Energy and Integration to Green Building Standards	
	Document Reference: EOMS-CSO-POL-014	Revision Number: 000
	Confidentiality Level: Internal Use	Approval Date: October 30, 2025
	Review Cycle: One Year	Effective Date: November 1, 2025

I. Objective

This policy establishes requirements for integrating clean energy technologies and green building principles into the planning, design, construction, renovation, operation, and maintenance of all University-owned and -managed facilities of De La Salle University-Dasmariñas. The policy provides guideline for compliance and promotion of Sustainability Goals- specifically SDG 7 (Affordable and Clean Energy), SDG 11 (Sustainable Cities and Communities), and SDG 13 (Climate Action).

II. Owner

Campus Sustainability Office

III. Scope

This policy applies to all new construction projects, major renovations and retrofits of existing buildings, facility maintenance, and operational upgrades of De La Salle University-Dasmariñas.

IV. Terms and Definitions

1. Clean energy - Energy derived from renewable sources such as solar, wind, geothermal, and biomass.
2. Green building - A structure designed, constructed, and operated to minimize environmental impact and optimize resource use throughout its lifecycle.
3. Energy efficiency - The ratio of useful output (e.g., lighting, heating) to total energy consumed.
4. Energy consumption reduction - Strategies and actions that lower the amount of energy used in building operations.
5. Life-cycle assessment - A systematic analysis of environmental impacts associated with all stages of a building's life from material extraction through disposal.

V. Policy Requirements

1. Clean Energy Integration
 - New buildings shall incorporate onsite renewable energy systems targeting a minimum of 50% of annual energy demand from clean sources.
2. Green Building Standards
 - All new construction and major retrofits must achieve at least a Silver rating under LEED or an equivalent certification under the Philippine Green Building Code.
3. Energy Efficiency Standards
 - Building envelope, HVAC, lighting, and controls shall meet the performance metrics outlined in Philippine DOE guidelines.
 - Designs must deliver a minimum 30% reduction in energy use intensity compared to baseline standards.
4. Energy Consumption Reduction Targets
 - Conduct comprehensive energy audits and establish long-term reduction goals.
5. Alignment with Sustainable Development Goals

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The University commits to align its infrastructure strategy with the United Nations Sustainable Development Goals, particularly:

- SDG 7: Affordable and Clean Energy
- SDG 11: Sustainable Cities and Communities
- SDG 13: Climate Action

This alignment reflects best practices observed in Philippine higher education institutions integrating SDGs into campus planning and operations.

6. Life-Cycle and Embodied Energy Considerations

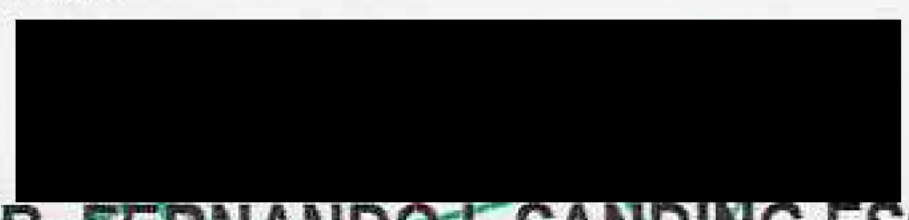
- Prioritize low-carbon and locally sourced materials to reduce embodied energy.
- Employ modular and prefabricated structural systems where feasible to minimize waste.

VI. Roles and Responsibilities

1. University Sustainability Committee
 - Endorse and periodically review this policy.
 - Set campus-wide energy reduction targets and monitor progress.
2. Facilities Management Unit
 - Integrate policy requirements into design standards, procurement, and maintenance protocols.
 - Coordinate and oversee energy audits and sub-metering installations.
 - Verify compliance during design reviews and construction inspections.
3. Bids and Awards Committee
 - Incorporate policy clauses into project scopes, contracts, and bidding documents.
4. Contractors and Consultants
 - Deliver solutions meeting or exceeding policy requirements for renewable integration, energy efficiency, and certification.

VII. Implementation Procedure

1. Project Initiation
 - 1.1 Include a policy compliance checklist in the project charter.
 - 1.2 Conduct feasibility studies for renewable systems and efficiency upgrades.
2. Design Phase
 - 2.1 Develop energy models demonstrating target performance metrics.
 - 2.2 Select materials and systems aligned with low embodied energy objectives.
3. Construction and Commissioning
 - 3.1 Monitor installation of renewable and efficiency systems.
 - 3.2 Execute commissioning tests and controls.
4. Operation and Maintenance
 - 4.1 Establish an Energy Management System (EnMS).
 - 4.2 Train facility staff on efficient operation and preventive maintenance.
5. Continuous Improvement
 - 5.1 Review performance data quarterly.
 - 5.2 Update targets and procedures based on audit findings and emerging technologies.

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VIII. Monitoring, Measurement, and Reporting

1. Install sub-metering on major energy systems for detailed consumption data.
2. Report key metrics (e.g., kWh/m², % renewables, cost savings) quarterly to the Sustainability Committee.
3. Document any variances from targets and implement corrective actions within the EnMS.

IX. Review and Continual Improvement

This policy shall be reviewed at least every three years or upon significant regulatory, technological, or strategic developments. Revisions must be approved by the Campus Sustainability Committee to ensure ongoing alignment with international standards and best practices.

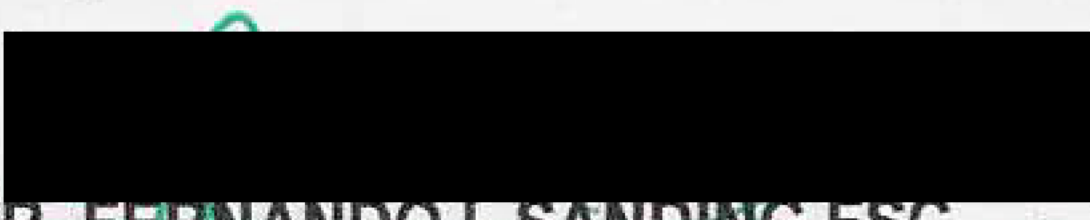
X. Risk Management

Failure to implement the clean energy and green building policy at De La Salle University–Dasmariñas would expose the institution to a range of interlinked risks. These risks span environmental degradation, financial strain, operational inefficiencies, regulatory non-compliance, and reputational damage. Ensuring this policy is enacted safeguards the university's environmental footprint, financial health, operational reliability, and reputation while advancing its role as a sustainability leader.

XI. References

The following documents provide essential guidance for implementing this policy:

- Republic Act No. 10587: Energy Efficiency and Conservation Act of 2009
- Philippine Green Building Code (DAO 2017–18)
- United Nations Sustainable Development Goals Resolution 70/1

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