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V3	15 September 2024	30 September 2024	On or before Sep 30, 2025

Water Consumption Policy

Introduction

Relationship Properties Pvt. Ltd.is dedicated to sustainable development and environmental stewardship. This policy document outlines our commitment to water conservation measures across all development projects, ensuring efficient water use during planning, design, construction, and operational stages. Our approach aligns with leading green building rating systems, including IGBC, to ensure our projects meet the highest standards of water efficiency and sustainability.

1. Commitment to Water Conservation

Relationship Properties Pvt. Ltd. commits to integrating water conservation measures into all stages of our development projects. This commitment includes the adoption of best practices for water efficiency, implementation of advanced technologies, and continuous monitoring to promote sustainable water use.

2. Alignment with Green Building Rating Systems

Relationship Properties Pvt. Ltd. ensures that our water conservation strategies align with various green building rating systems, including IGBC. These systems provide a comprehensive framework for achieving sustainable water use throughout our projects.

3. Planning & Design Stage

3.1. Development and Implementation of a Commissioning Plan

Objective: To ensure all water conservation systems are designed, installed, tested, and operated according to the project's performance requirements.

Strategy:

- Develop a commissioning plan that outlines water conservation goals.
- Engage stakeholders in reviewing the plan to ensure compliance with water efficiency standards.
- Document and verify the performance of water-related systems through inspections and testing.

Alignment with IGBC: The commissioning process aligns with IGBC prerequisites and credits related to water efficiency, ensuring that all systems function as intended.

3.2. Integrative Design for Water Conservation

Objective: To incorporate water efficiency from the outset of the project.

Strategy:

- Collaborate with architects, engineers, and landscape designers to integrate water-saving measures.
- Use water balance modeling to predict and optimize water use.
- Select materials and technologies that promote water efficiency.

Alignment with IGBC: This integrative approach supports IGBC's Integrative Process credit, promoting collaborative design for maximum water efficiency.

3.3. Requirements for Indoor Water Efficiency

Objective: To reduce water usage within buildings.

Strategy:

- Install high-efficiency fixtures such as low-flow toilets, faucets, and showerheads.
- Use water-efficient appliances and systems, including dishwashers and laundry machines.
- Implement sensor-based or automatic shut-off systems to minimize water wastage.

Alignment with IGBC: Meets IGBC prerequisites and credits for Indoor Water Use Reduction, targeting significant reductions in indoor water consumption.

3.4. Requirements for Outdoor Water Efficiency

Objective: To minimize water-use in landscaping and outdoor areas.

Strategy:

- Implement drip/smart irrigation systems that reduce water consumption.
- Utilize drought-tolerant and low-water plants for landscaping.
- Design landscapes to maximize natural rainwater retention and minimize runoff.

Alignment with IGBC: Complies with IGBC credits for Outdoor Water Use Reduction by designing landscapes that significantly reduce or eliminate the need for irrigation.

3.5. Requirements for Process Water Efficiency

Objective: To optimize water, use in building systems and operations.

Strategy:

- Reuse greywater for non-potable applications such as irrigation and toilet flushing.
- Implement on-site wastewater treatment systems.
- Utilize high-efficiency cooling towers and other process-related water systems.

Alignment with IGBC: Aligns with IGBC credits for Water Metering and Cooling Tower Water Use, promoting efficient water use in building operations.

4. Common Water Efficiency Measures

4.1. Drip/Smart Irrigation

Implementation:

- Install systems that deliver water directly to plant roots to minimize evaporation.
- Use moisture sensors to optimize irrigation schedules.

Alignment with IGBC: Supports Outdoor Water Use Reduction by implementing efficient irrigation technologies.

4.2. Drought-Tolerant/Low-Water Landscaping

Implementation:

- Select native or adapted plants that require minimal watering.
- Use mulch and ground covers to retain soil moisture.

Alignment with IGBC: Contributes to IGBC credits for Sustainable Sites and Outdoor Water Use Reduction.

4.3. High-Efficiency/Dry Fixtures

Implementation:

- Install fixtures that use minimal water without compromising functionality.
- Regularly maintain and inspect fixtures to ensure optimal performance.

Alignment with IGBC: Meets IGBC Indoor Water Use Reduction credits by installing and maintaining high-efficiency fixtures.

4.4. On-Site Wastewater Treatment

Implementation:

- Establish systems for treating wastewater for reuse in non-potable applications.
- Ensure compliance with local regulations and standards for water quality.

Alignment with IGBC: Supports IGBC credits for Water Reuse and Water Efficiency by treating and reusing wastewater on-site.

4.5. Reuse of Greywater for Non-Potable Applications

Implementation:

- Set up greywater collection systems for reuse in irrigation and flushing.
- Educate building occupants on the safe and effective use of greywater systems.

Alignment with IGBC: Aligns with IGBC credits for Water Reuse, promoting the use of greywater for non-potable purposes.

5. Operation Water Efficiency Monitoring

5.1. Post-Construction Water Monitoring

Objective: To ensure that water conservation measures are effective and identify areas for improvement.

Strategy:

- Conduct regular water audits and assessments.
- Monitor water usage data to detect leaks or inefficiencies.

Alignment with IGBC: Supports IGBC credits for Performance Measurement, ensuring ongoing efficiency and conservation.

5.2. Sub-Metering

Objective: To provide detailed insights into water use across different building areas.

Strategy:

- Install sub-meters for high-use areas to track specific water consumption.
- Use data from sub-meters to optimize water use and identify saving opportunities.

Alignment with IGBC: Aligns with IGBC Water Metering credits by providing detailed tracking of water use.

5.3. Water Use Analytics

Objective: To analyze water usage patterns and improve efficiency.

Strategy:

- Utilize advanced analytics software to monitor and report on water use.
- Generate regular reports to inform stakeholders about water conservation performance.

- Implement corrective actions based on data insights to enhance water efficiency.

Alignment with IGBC: Meets IGBC requirements for Performance Measurement by using analytics to drive efficiency improvements.

6. Monitoring and Reporting

Regular Monitoring: Conduct regular inspections and audits to ensure water systems operate efficiently and identify potential issues promptly.

Reporting: Generate detailed reports on water use and conservation efforts. Share findings with stakeholders to maintain transparency and drive continuous improvement.

Continuous Improvement: Use monitoring data to refine and enhance water conservation strategies continually. Engage in ongoing training and education for staff and occupants on best practices in water efficiency.

7. Conclusion

Relationship Properties Pvt. Ltd.is committed to leading by example in water conservation. Through strategic planning, innovative design, and continuous monitoring, we aim to achieve significant water savings and promote sustainable development practices across all our projects. Our alignment with IGBC and other green building rating systems ensures that our projects meet the highest standards of water efficiency and sustainability.