

## Carbon Neutrality Roadmap (2023–2040)

Year	Focus Area	Scope	Target	Key Initiatives	Status
2023	Planning & Baseline Assessment	All Scopes	Establish baseline & reporting system	Carbon footprint audit; Sustainability task force	Completed
2024	Action Plan Rollout	Scope 1 & 2	Launch pilots	Pilot solar grids, EV bus trial, energy audits	Completed
2025	Energy & Emission Optimization	Scope 1 & 2	15% reduction in direct emissions	Solar expansion, LED/HVAC retrofits, cut diesel	In Progress
2028	Scope 1 Neutrality	Scope 1	100% direct emission offset	100% electric fleet, biowaste mgmt, green ops	Planned
2035	Scope 2 Neutrality	Scope 2	100% clean electricity	Renewable PPAs, rooftop solar scale-up, grid tie	Planned
2035	Scope 1 & 2 Neutrality Achieved	Scopes 1 & 2	Net-zero for direct & purchased energy	Solar + EV transition complete; efficiency gains	Target Year
2035	Scope 3 Reduction (Partial)	Scope 3 (Partial)	50% reduction in major indirect emissions	Sustainable sourcing, hybrid work, eco-commuting	Planned
2040	Full Carbon Neutrality Achieved	Scopes 1, 2 & 3	Net-zero across all scopes	Offsets, carbon sinks, verified governance	Target Year

## Centurion University Climate Action Framework (CUCAF)

- ✓ Carbon neutrality target by 2035 (Scope 1 & 2).
- ✓ 22 UG & PG programs with climate modules (1,200 students in 2024).
- ✓ 150 kW rooftop solar commissioned in 2024.
- ✓ 2 green buildings upgraded; 12% cost savings.
- ✓ Climate Action Plan shared with 7 govt/community bodies.
- ✓ 8 plantation drives (~4,800 saplings) & 6 awareness workshops (~600 participants).

## Low-Carbon Energy Tracking (2019-2024, Projection 2028)

### 2024 Progress:

- Total electricity: ~8.57 GWh
- Low-carbon energy: ~4.71 GWh (54.94%)
- 150 kW rooftop solar + efficiency savings
- Data audited & reported in Annual Sustainability Report

### Projection 2023-2028:

Low-carbon share expected to rise from 53.8% (2023) → 59.7% (2028)

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