GEF VII CLIMATE CHANGE MITIGATION PROGRAM

5th Replenishment Discussions
## GEF VII REPLENISHMENT SCENARIOS

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Objective 1: Promote innovation and technology transfer for sustainable energy breakthroughs

• De-centralized renewable power with energy storage (USD 100M)
  mini-grids, energy storage, and new business models.

• Electric drive technologies and electric mobility (USD 88M)
  • regulatory frameworks; plan for disruptive market changes; and foster integration of electric vehicles into the grid.

• Accelerating energy efficiency adoption (USD 95M)
  • **Accelerators** promote: global best practices; harmonization of testing standards and performance standards; and technical assistance.

• Cleantech innovation (USD 36M)
  • foster technology innovation in SMEs.
Objective 2. Demonstrate mitigation options with systemic impacts

1. Sustainable Cities Impact Program

Implement NDCs and low-carbon development pathways. Tech and practice examples:

- **energy efficiency** (buildings, lighting, air conditioning, transport, district heating systems);
- **renewable energy development** (solar, wind, co-generation, waste-to-energy);
- **solid waste and wastewater management**; and
- **Stronger land-use and transport planning**
Objective 3. Foster enabling conditions for mainstreaming mitigation concerns into sustainable development strategies

Capacity-building Initiative for Transparency (USD 60M set aside);

Enabling activities (USD 120M set aside)
- NDC preparation;
- National Communications and Biennial Update Reports;
- Technology Needs Assessments for SIDs and LDC
SUSTAINABLE CITIES IMPACT PROGRAM (USD 60M SET ASIDE) (STAR 2: SET ASIDE 1)

1 Evidence-based Spatial Planning—National, Regional, Local
   * Enhance spatial planning – geospatial tools
   * Investing in digital and data leadership – e-government

2 Decarbonizing Urbanization with Infrastructure Integration at National, Regional, and Local Scales
   * Coordinating inter-city infrastructure
   * Innovation in freight and transport
   - Innovative technologies transport and infrastructure
   * Building seamless urban connectivity
   - Traffic management, multimodal trip planning and congestion pricing; accelerating building and district energy efficiency
3. Building Deep Resilience with smart systems and slum solutions

- Optimizing urban resources management
  - smart grids and demand management, monitoring resources consumption, integrating urban food systems and value chains, and reducing waste through waste audits, segregation of waste at source, composting, recycling and reuse
- Accelerating building and district energy efficiency
  - solutions for urban planners
- Streamlining municipal services for sustainability
  - One-stop computerized service centers
- Tracking of resource use and consumption
  - reduce waste and to minimize natural resource extraction by employing circular economy approaches
- Non-stop slum solution
  - combining supply and demand side solutions such as site and services, slum upgrading, housing finance, subsidized mortgages, construction standardization, redesigned building codes, land tenure requirements, land markets; last mile extension of basic and resilient infrastructure service delivery.
4. Cascade Financing Solutions for Urban Sustainability

- Helping cities enhance fiscal capacities
  - negotiate and utilize intergovernmental fiscal transfers; improve municipal financial management; establish and enhance creditworthiness for accessing private capital markets
- Experimenting with land value derivatives.
  - manage land value creation through land use planning, zoning, and associated use and density distributions and its collection through property taxes; land value capture, development exaction fees; incentivizing vacant land utilization.