



7.3 Buildings & Energy Opportunity Menu

Measure 1 Accelerate Clean and Renewable Energy Use in Buildings

ANNUAL GHG EMISSIONS REDUCED IN 2030

1,037,079 MTCO₂e

ANNUAL GHG EMISSIONS REDUCED IN 2050

2,530,000 MTCO₂e

DESCRIPTION

Expand the use of renewable energy and clean power systems across existing and new building infrastructure.

OPPORTUNITY MENU

1. Streamline permitting for renewable projects (F)(<\$(by 2030).
2. Support behind-the-meter and community-scale generation (F)(<\$(by 2030).
3. Provide targeted incentives (rebates, net metering, tax credits) for renewable and storage installations (M)(\$\$\$)(2030-2040).
4. Adopt clean electricity standards. (HI)(\$\$(by 2030).
5. Invest in distributed and community-scale renewables, microgrids, and vehicle-to-grid infrastructure in disadvantaged or rural areas (HI)(\$\$\$)(2030-2040).

AUTHORITY TO IMPLEMENT

City/County, State, Facility owners

METRICS FOR TRACKING PROGRESS

1. Number of municipalities that have adopted Solar APP+
2. kWh renewable energy permitted per year
3. kWh renewable and storage installed from incentives
4. Number of entities disclosing clean electricity standards adopted
5. Number of related projects developed in vulnerable or rural areas

KEY CO-BENEFITS

Improved air quality, economic growth, health and well-being, cost-savings, workforce development, and improved reliability

INTERSECTION WITH OTHER FUNDING AVAILABILITY

- [SolarAPP+](#)
- [Texas Property Assessed Clean Energy \(TX-PACE\)](#)
- [Federal Solar Investment Tax Credit \(ITC\)](#)
- [Solar and Wind Energy Business Franchise Tax Exemption](#)
- [Property Tax Exemption for Renewable Energy Systems](#)
- [Building Technologies Office Technical Assistance for Building Performance Standards \(BPS\)](#)
- [State of Texas Renewable Energy Credit \(REC\) Trading Program](#)

Measure 2 *Improve Building Energy Efficiency and Electrification*

ANNUAL GHG EMISSIONS REDUCED IN 2030

1,429,910 MTCO₂e

ANNUAL GHG EMISSIONS REDUCED IN 2050

5,785,930 MTCO₂e

DESCRIPTION

Upgrade building systems and appliances to improve energy performance and transition away from fossil fuels.

OPPORTUNITY MENU

1. Benchmark buildings in ENERGY STAR Portfolio Manager (F)(<\$(by 2030).
2. Offer rebates for certified energy-efficient appliances, lighting, HVAC, insulation, and weatherization (M)(\$\$\$) (by 2030).
3. Adopt and enforce up-to-date or stretch energy codes (M)(\$\$(2030-2040).
4. Upgrade public facilities to LEDs and smart controls (M)(\$\$(by 2030).
5. Implement building performance standards and clean heat standards for space and water heating (HI)(\$\$\$) (2030-2040).

AUTHORITY TO IMPLEMENT

City/County, State, Facility Owners and Operators, TIRZ/Management Districts

METRICS FOR TRACKING PROGRESS

1. Number of entities disclosing use of ENERGY STAR Portfolio Manager or similar software
2. Estimated energy savings from rebate programs implemented
3. Number of municipalities that have updated energy codes
4. Percent of public facilities converted to LED and smart controls
5. Number of entities disclosing adoption of building performance standards

KEY CO-BENEFITS

Improved air quality, economic growth, health and well-being, cost-savings, workforce development, and improved reliability

INTERSECTION WITH OTHER FUNDING AVAILABILITY

- [Better Buildings Challenge](#)
- [HOMES and HEAR programs](#)
- [Building Technologies Office Technical Assistance for BPS](#)
- [LoanSTAR Revolving Loan Program](#)

Measure 3 *Promote Smart Energy Use and Grid-Responsive Management*

ANNUAL GHG EMISSIONS REDUCED IN 2030

116,810 MTCO₂e

ANNUAL GHG EMISSIONS REDUCED IN 2050

0 MTCO₂e

DESCRIPTION

Encourage energy-saving behaviors and technologies that optimize grid interaction and reduce peak demand.

OPPORTUNITY MENU

1. Support installation of smart meters and behind-the-meter demand response technologies (F)(<\$)(by 2030).
2. Implement performance management programs for public facilities and expand consumer participation in demand programs (F)(<\$)(by 2030).
3. Develop smart-grid infrastructure to integrate renewables, optimize load balancing, and expand distributed energy participation (HI) (\$\$\$)(by 2040).
4. Incentivize green roofs and cool pavements to reduce heat islands (HI) (\$\$)(by 2040).

AUTHORITY TO IMPLEMENT

City/County, Utilities, Business Sector, TIRZ/Management Districts

METRICS FOR TRACKING PROGRESS

1. Electric savings and demand reduction achieved for Utility Demand Side Management Programs
2. Electric savings and demand reduction achieved for Utility Demand Side Management Programs
3. Number of grid modernization projects completed or underway
4. Number of building permits incorporating green roof/cool pavement features

KEY CO-BENEFITS

Improved air quality, economic growth, health and well-being, cost-savings, workforce development, and improved reliability

INTERSECTION WITH OTHER FUNDING AVAILABILITY

- Utility Incentives (such as [CenterPoint's Demand Side Management](#))
- Public Private Partnerships
- [PACE](#) for green roofs
- [DOT Competitive Grants Dashboard](#)