

Item 2025-0801: Energy Master Plan

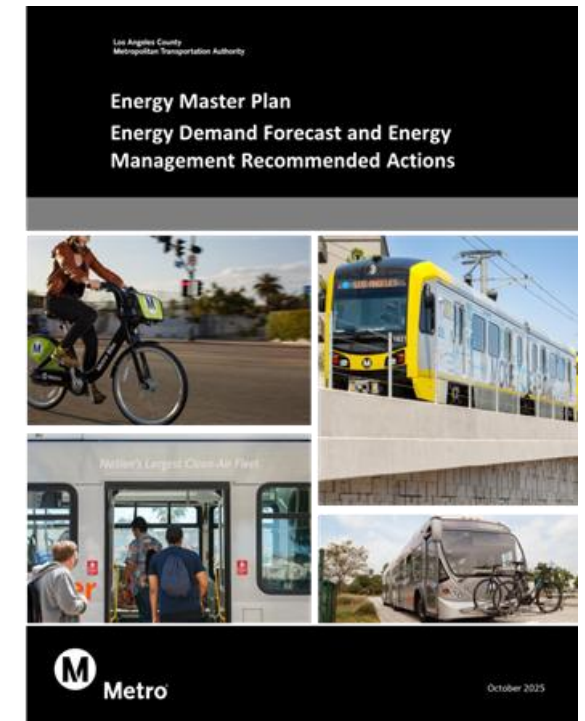
Adopt Metro's Energy Master Plan

Executive Management Committee
October 16, 2025

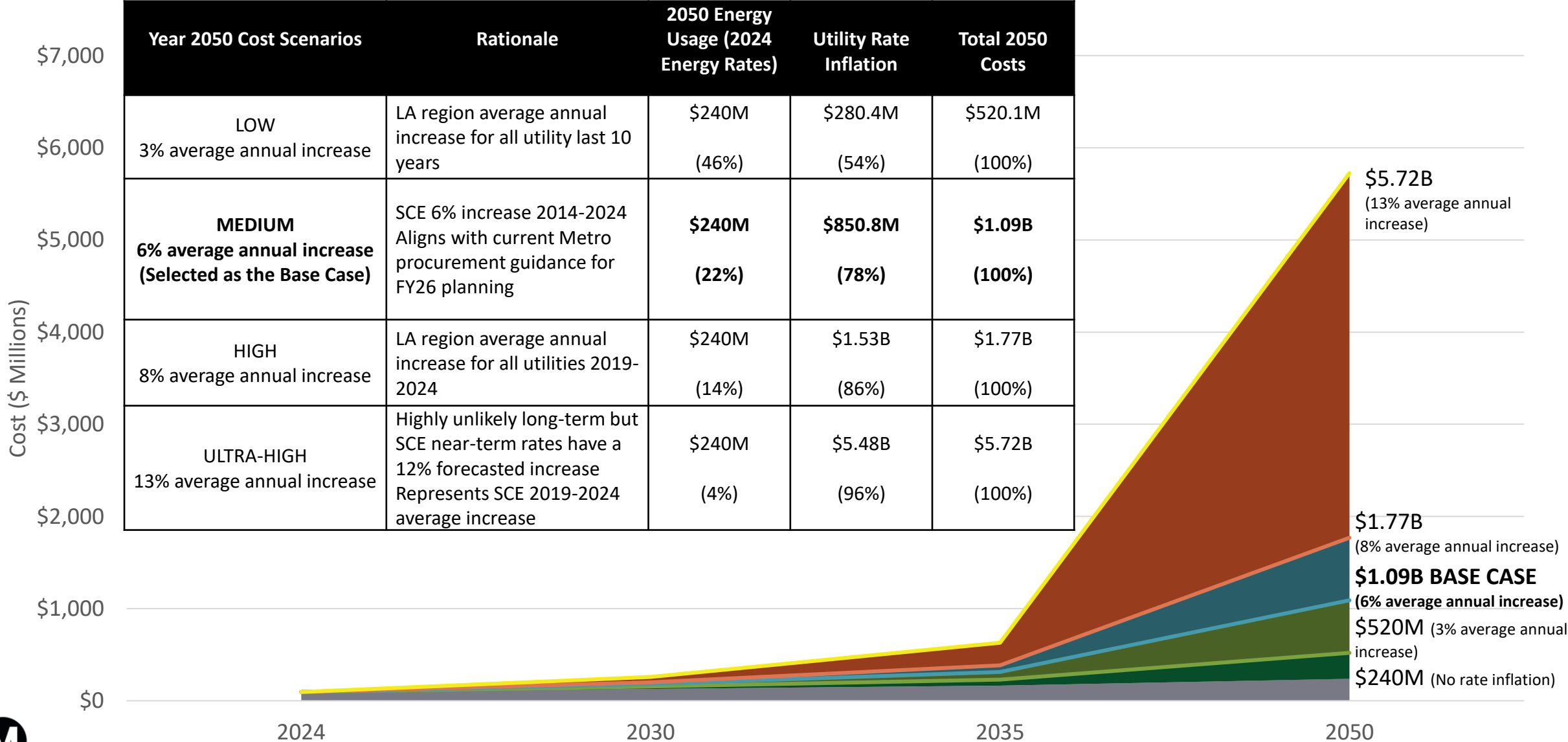
Key Findings

Metro's energy profile will undergo a significant transformation over the next 25 years.

- > Electricity use is projected to increase 140% between now and 2050
- > Energy costs could escalate from \$95M/year (2024) to \$1BN (2050) due to higher consumption and continued rising energy prices
- > Resiliency pressures will intensify as electrification expands into areas with known grid supply constraints and also due to changing climate
- > Solar will continue to be a key technology to meet renewable energy goals, support resiliency and reduce energy costs
- > Limited deployment of energy management and building automation currently reduces opportunities for energy cost savings
- > Electrification and resiliency initiatives require new workforce training and education

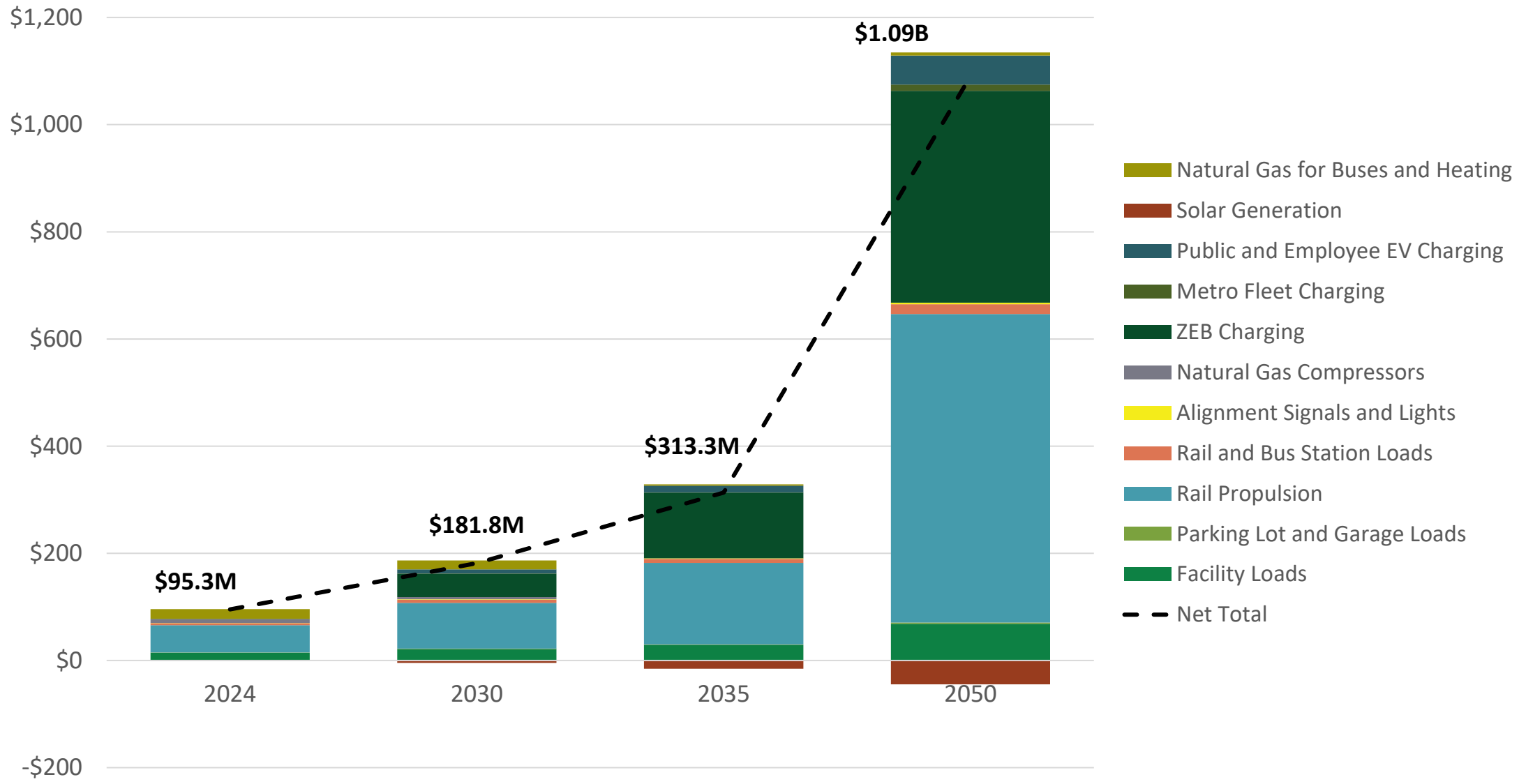


Projected Energy Costs: Impact of Rate Increases



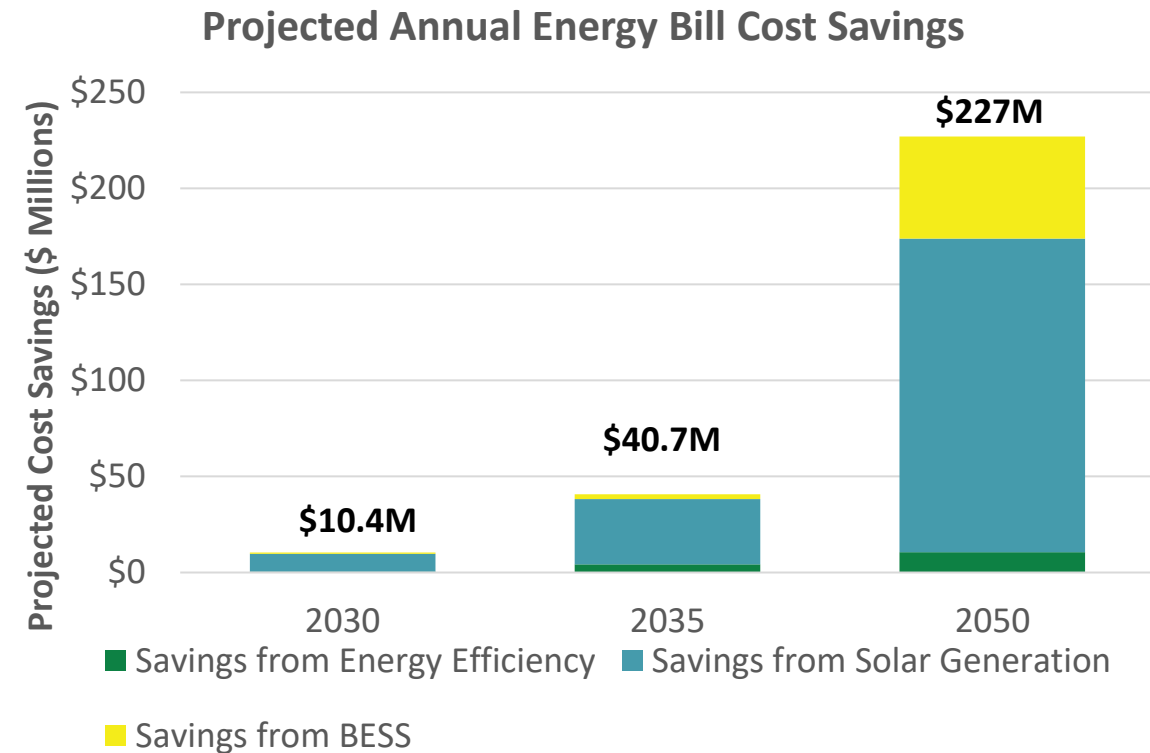
Base Case Forecast: Based on 6% annual rate inflation

Total Projected Spend by End Use



Recommendations and Projected Energy Cost Savings

RECOMMENDATIONS	
Energy Planning	<ul style="list-style-type: none"> • Creation of energy management steering committee • Data and information management requirements to support annual energy forecasting, energy security and energy project impacts.
Energy Supply	<ul style="list-style-type: none"> • Increase cost-neutral utility supplied clean energy • Accelerate on-site renewable energy supply and strengthen O&M of existing systems. • Prioritize utility engagement to increase “essential use” designation at critical sites; proactively address energy costs; secure support for mitigation.
Energy Technology Deployment and Workforce Development	<ul style="list-style-type: none"> • Develop comprehensive, site-level energy management plan to holistically and cost-effectively address energy and resiliency needs. • Expand energy education to support technical training for resiliency and energy management technologies. • Webinars to socialize energy security and resiliency technologies.
Stakeholder Engagement	<ul style="list-style-type: none"> • Increase community-based organizations’ presence on sustainability council • Leverage regional and community energy partners for joint funding and workforce development • Communicate progress and benefits of energy planning



Development Process, Engagement & Path Forward

