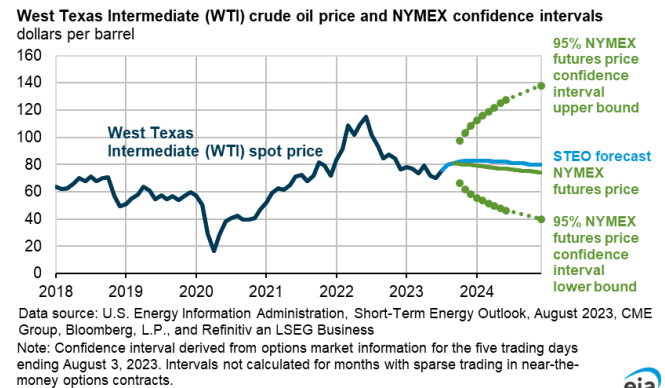
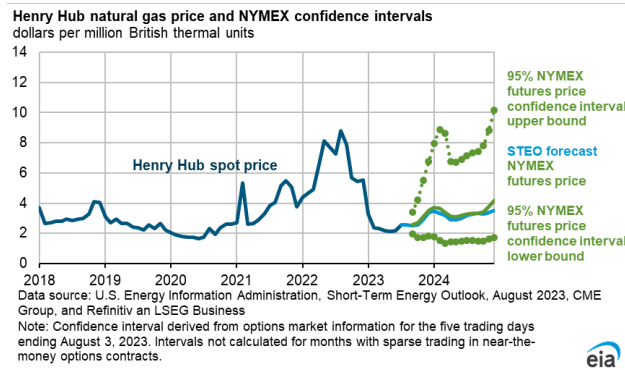


# DOER - Clean Energy Transition Implementation

Governor Healey and Lieutenant Governor Driscoll know that the climate crisis is our biggest challenge, but there is also enormous opportunity in our response.



# Department of Energy Resources

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Develops and implements policies and programs aimed at ensuring the adequacy, security, diversity, and cost-effectiveness of the Commonwealth's energy supply to create a clean, affordable, equitable and resilient energy future for all residents, businesses, communities, and institutions.



# Massachusetts' Solar Target

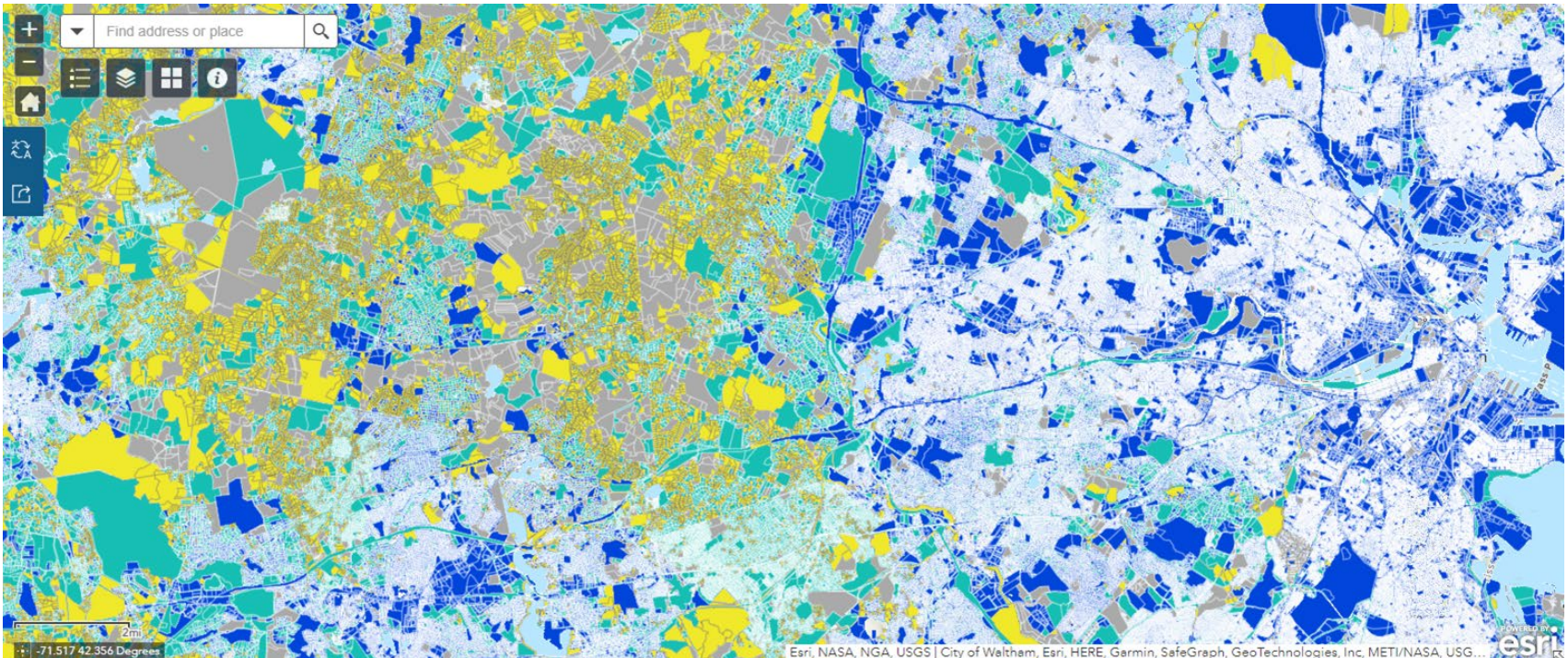
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- Massachusetts and the region need to steadily continue to deploy solar generation over the next three decades to meet anticipated increased electricity demand in 2050
- Massachusetts needs 27 - 34 GW of solar by 2050
  - This is more than 10 times the amount of solar currently installed in Massachusetts



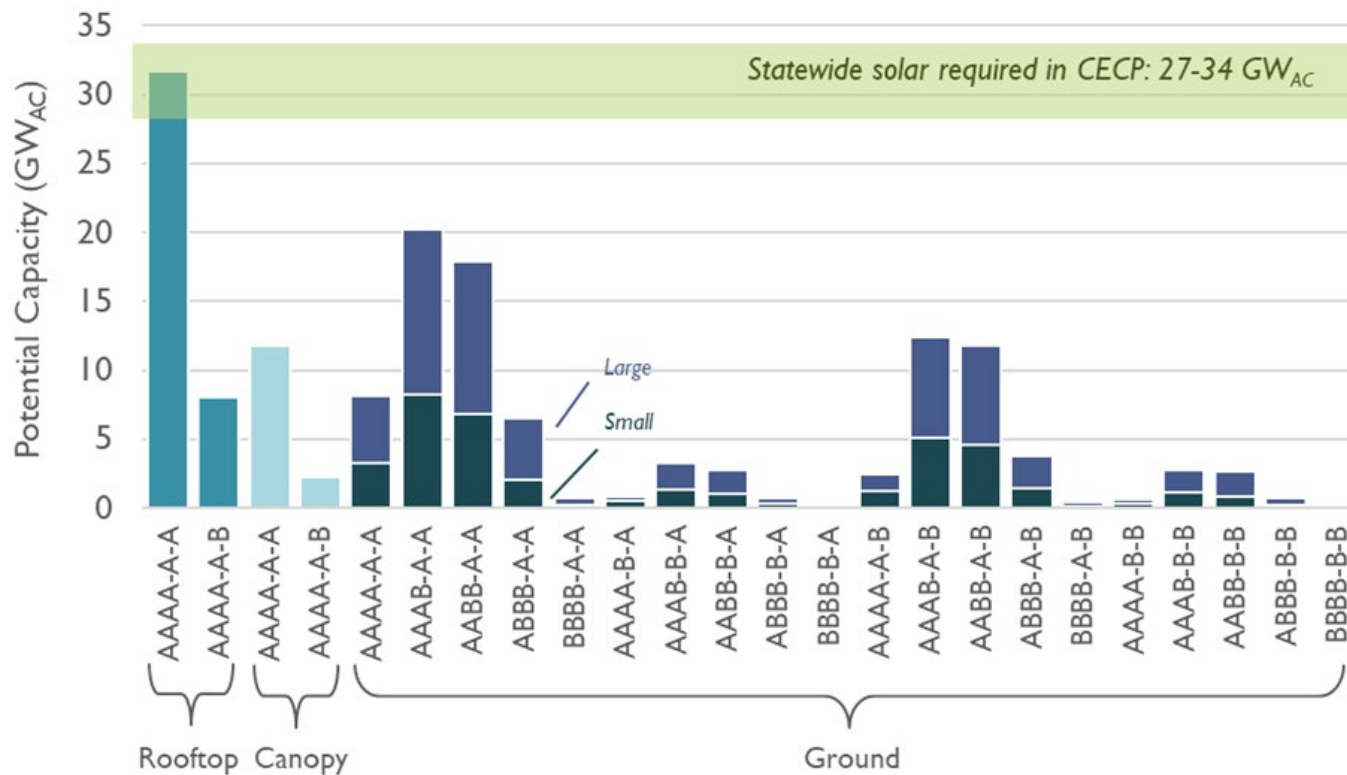
# Technical Potential of Solar Study

- Quantify the technical potential for solar development in Massachusetts
- An estimate of the total amount of solar that could physically be built, thematically ranked for suitability based on natural resource impacts and economic factors



# Technical Potential of Solar Study

- Far more solar potential than needed to meet decarbonization goals
- Massachusetts has 506 GW of technical solar potential
- The top-rated parcels alone add up to nearly double the amount of solar called for in the 2050 Decarbonization Roadmap



# Solar For All

- Single Family and Small Multifamily (1-4 units)
  - Direct Ownership (via Loan)
  - Lease with ownership pathway
- Multifamily
  - Public Housing
  - Privately-Owned Affordable Housing
- Community Solar
  - Leverage existing programs to deliver deeper benefits through additional subsidy in a competitive manner that can set appropriate consumer protections and encourage broader community benefits and impacts
  - Cooperatively Owned Community solar: Low-cost financing/forgiveable loans and development technical assistance to support cooperative ownership models



## Solar for All

**Support states, territories, Tribal & municipal governments, & nonprofits to expand access to solar for low-income & disadvantaged communities by priming markets for investment**

**Up to 60 states, Tribal & municipal governments, & eligible non-profit entities**

**\$7B**

**Energy bill savings and energy resiliency for millions of underserved American households via states, Tribal & municipal governments, & other recipients creating new or expanding existing low-income solar programs across the country**

# Solar Massachusetts Renewable Target Program (SMART)

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- 140,000+ solar projects installed in Massachusetts through DOER programs
  - Represents more than 4 GW DC of clean energy
- 55,000+ applications qualified
  - Represents more than 2,407 MW DC of solar
  - 575+ MW of battery storage paired with participating SMART projects
- SMART:
  - Supports solar installations while protecting green space
  - Directs projects to residents of low income and environmental justice communities
  - Encourages the pairing of solar energy with battery storage for increased resiliency
- DOER has contracted with Sustainable Energy Advantage to conduct a review of the SMART program
  - First step towards potential updates to SMART incentive levels and program design elements
- Review expected to begin this fall

**THANK YOU!**