

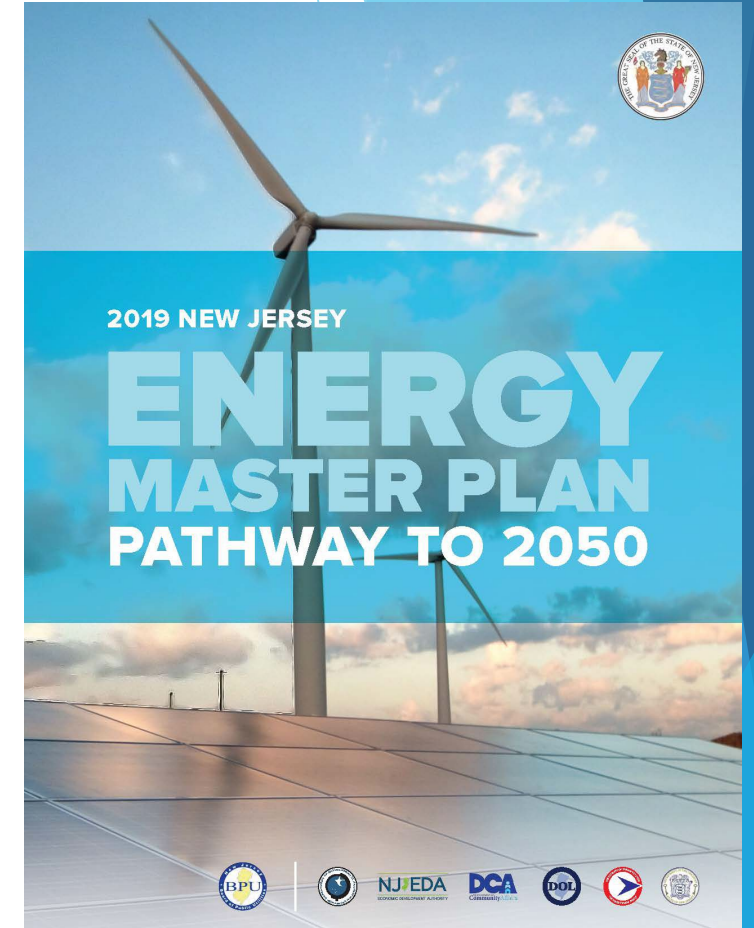
COMMUNITY ENERGY PLAN

FOR THE BOROUGH OF PROSPECT PARK



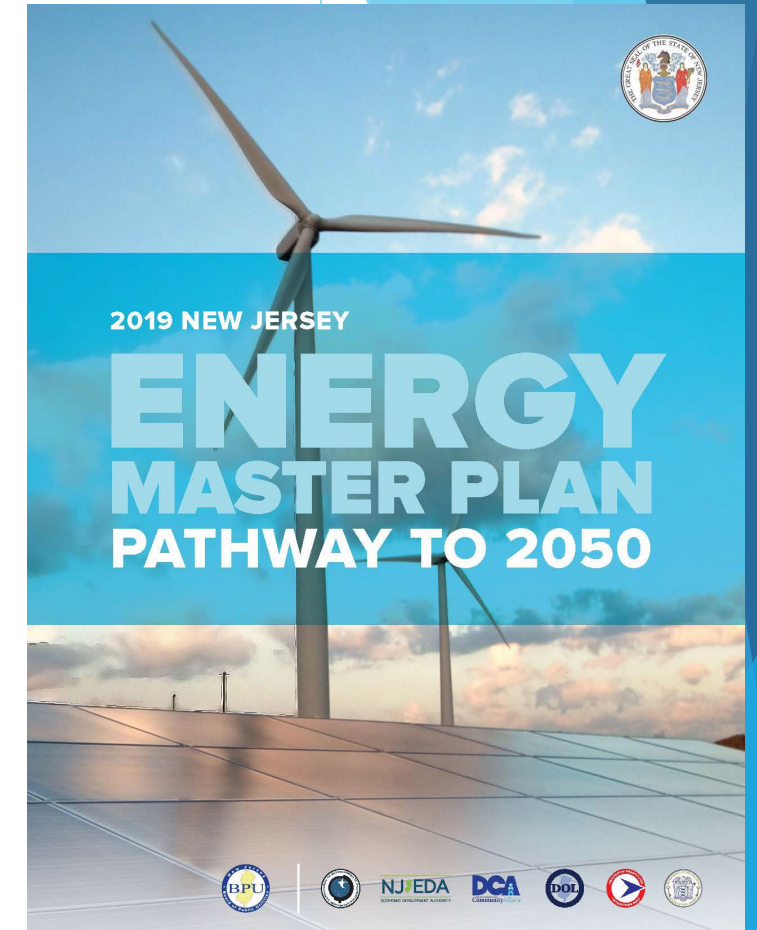
PURPOSE

- ▶ Promote and adopt cleaner and less expensive energy sources
- ▶ Advance the objectives of the NJ Energy Master Plan
- ▶ Plan includes more than two dozen initiatives including:
 - ▶ Electrifying municipal fleet vehicles
 - ▶ Installing public EV charging stations
 - ▶ Zoning to permit private and community solar
 - ▶ Installing on-site renewable energy systems with storage capabilities
 - ▶ Reduction of cost barriers for improvements to energy efficiency
 - ▶ Encourage implementation of green building practices
 - ▶ Education for reduction of energy usage
 - ▶ Inclusion of low and moderate income households in the initiatives



BACKGROUND

- ▶ 2019 New Jersey Energy Master Plan:
 - ▶ 100% Clean Energy by 2050
 - ▶ Buildings, vehicles, utilities
- ▶ 2021: NJBPU Launches Community Energy Plan Grant Program
 - ▶ Prospect Park received a \$25,000 grant
 - ▶ Sustainable Jersey provides expertise and technical support
 - ▶ Help municipalities plan to increase energy efficiency,
 - ▶ Expand renewable energy generation,
 - ▶ Promote vehicle electrification
- ▶ Community Energy Plan Document: Plan
 - ▶ 3 to 5 year implementation
- ▶ Policy guidance document
 - ▶ Not a Master Plan Element



STRATEGY AREAS

- ▶ 1: Energy use from the transportation sector
- ▶ 2: Expand renewable energy generation
- ▶ 3: Improve energy efficiency of existing buildings
- ▶ 4: Promote energy efficient practices in the building sector
- ▶ 5: Make community energy accessible to Low and Moderate Income populations
- ▶ 6: Expand the innovation economy

The screenshot displays the Google Project Sunroof interface. At the top, it shows the address "106 Brown Ave, Prospect Park, NJ 07508, USA" and a "GO" button. A central panel provides the following analysis results:

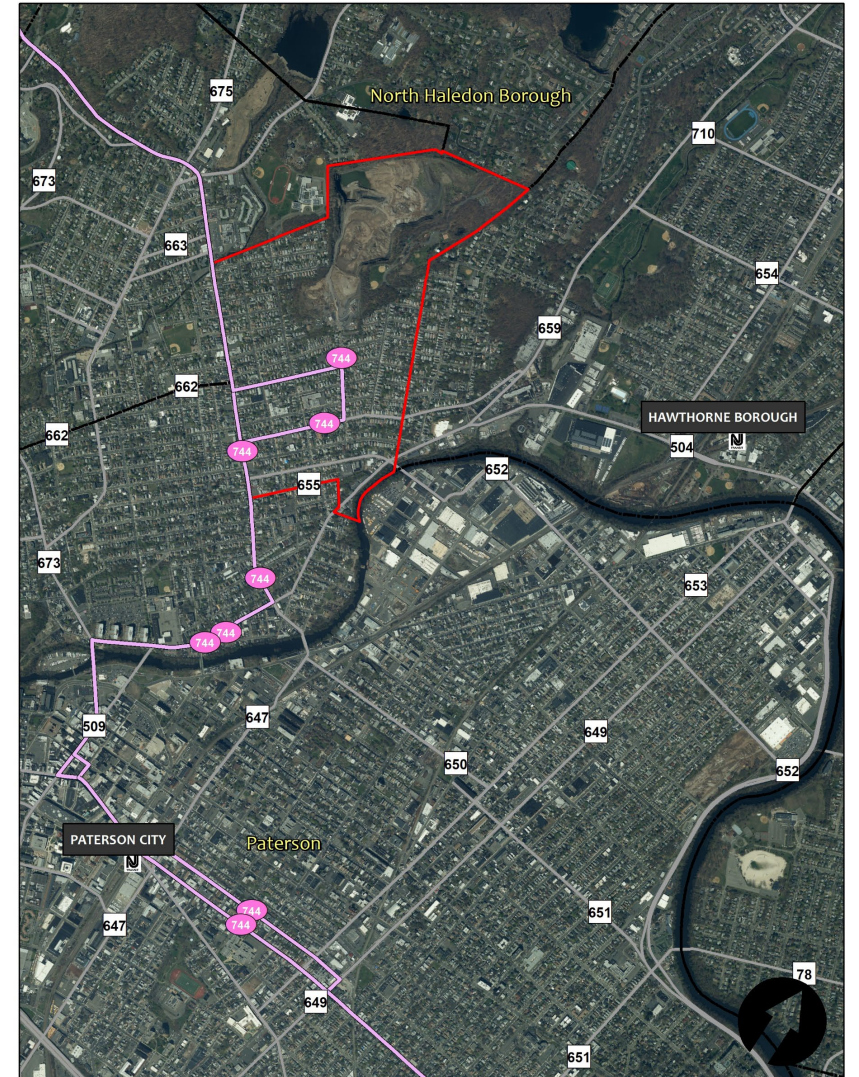
- ✓ Analysis complete. Your roof has:
- 1,429 hours of usable sunlight per year (Based on day-to-day analysis of weather patterns)
- 3,259 sq feet available for solar panels (Based on 3D modeling of your roof and nearby trees)
- \$27,000 savings** (Estimated net savings for your roof over 20 years)

Below the analysis, there is a link: "Wrong building? Click another roof to view details." The main map shows a residential neighborhood with roofs highlighted in yellow to indicate solar potential. At the bottom, there are two adjustable panels:

- YOUR AVERAGE MONTHLY ELECTRIC BILL**: Set to \$100. Text: "We use your bill to estimate how much electricity you use based on typical utility rates in your area."
- YOUR RECOMMENDED SOLAR INSTALLATION SIZE**: 6.0 kW (423 ft²). Text: "This size will cover about 96% of your electricity usage. Solar installations are sized in kilowatts (kW)."

INITIATIVES

- ▶ Zoning, regulations, and permitting process for electric vehicle charging, renewable energy, and battery storage
- ▶ Installations at public sites
- ▶ Education/outreach to residents and businesses
 - ▶ Incentive programs
 - ▶ Green practices
- ▶ Community Solar Projects with set-aside for LMI households
- ▶ Arranging solar discount programs for residents, businesses, Borough employees
- ▶ General planning recommendations such as transit oriented zoning, complete street design, tree plantings, etc.



NEXT STEPS

- ▶ Establish a Green Team
 - ▶ Diverse body to implement energy plan
- ▶ Residential focus will have greatest impact
 - ▶ LMI households, non-English inclusion
 - ▶ Engage landlords
- ▶ Take advantage of financial incentives
 - ▶ Grants, tax credits, no-interest loans
 - ▶ Municipal, residents, businesses
- ▶ Energy improvements pay-off
 - ▶ Lower energy costs, incentives, renewable energy credits

THANK YOU

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