ZEVDecide™

Stantec.io

ZEVDecide™ offers a variety of zero-emission vehicle (ZEV) infrastructure planning and design solutions. From electric vehicle (EV) charging site optimization to zero-emission fleet transition and facility design, we have you covered from A to ZEV.
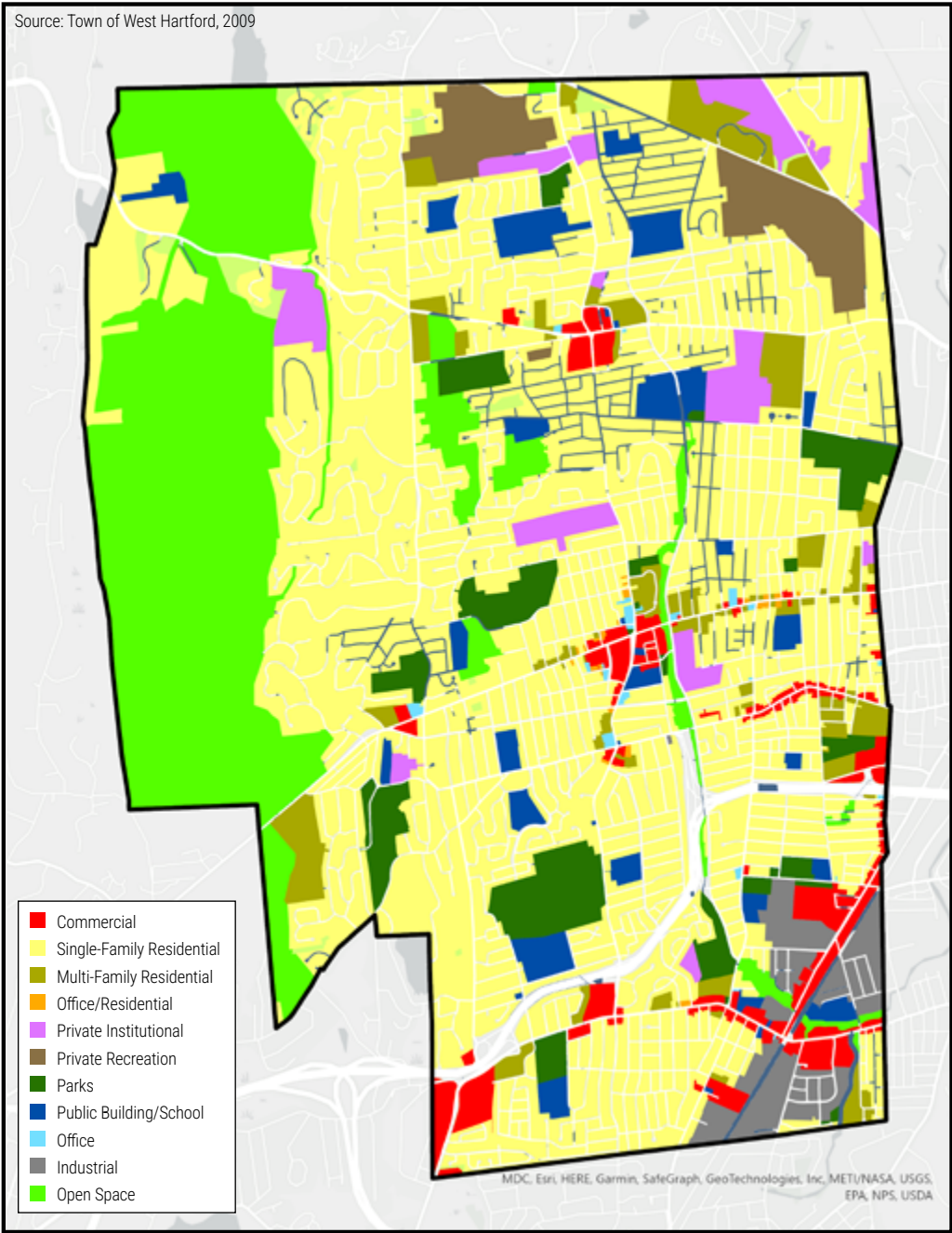
EV Charging Site Optimization

Elevate your community's EV charging infrastructure with ZEVDecide™. The customizable features harness local data to craft unique solutions to complement your planning needs. Maximize your investment by identifying high-demand charge point locations and leveraging your business and facility operations while prioritizing the equitable needs of your community.

ZEVDecide™ enhances EV charger site selection with industry-leading optimization. By seamlessly integrating comprehensive datasets, it identifies the most cost-effective and equitable locations for EV charging infrastructure.
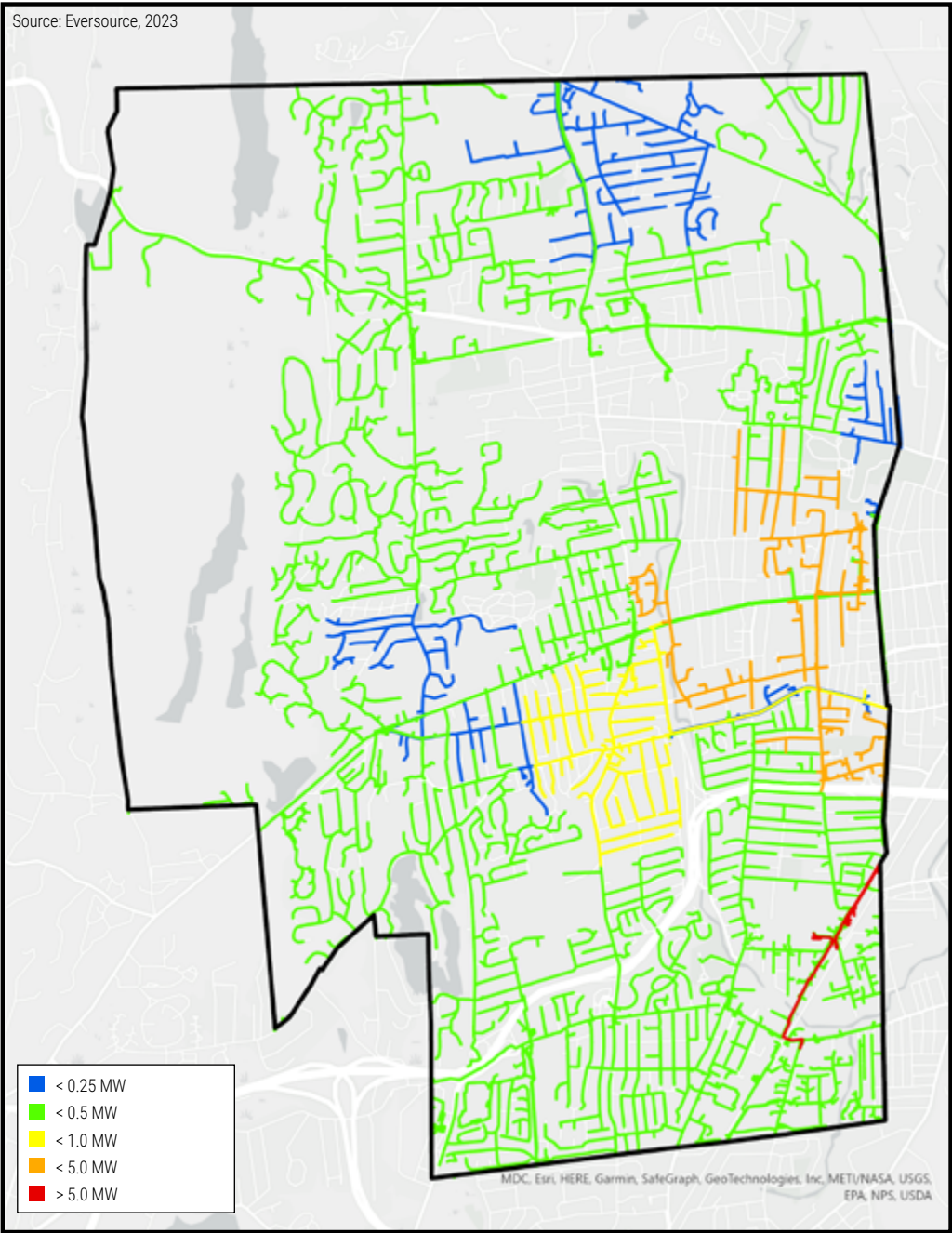
EV Charging Site Suitability

Source: Town of West Hartford, 2009

Legend:
- Commercial
- Single-Family Residential
- Multi-Family Residential
- Office/Residential
- Private Institutional
- Private Recreation
- Parks
- Public Building/School
- Office
- Industrial
- Open Space

MDC, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA

Integrate land use, roadway classifications, parking availability, proximity to alternative fuel corridors.

Source: Eversource, 2023

Legend:
- < 0.25 MW
- < 0.5 MW
- < 1.0 MW
- < 5.0 MW
- > 5.0 MW

MDC, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA

Utility hosting capacity to recommend charger placement for a suburban community.

Legend:
- Very High (75-100)
- High (50-75)
- Medium (25-50)
- Excluded

MDC, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA

Customized ZEVDecide™ results.
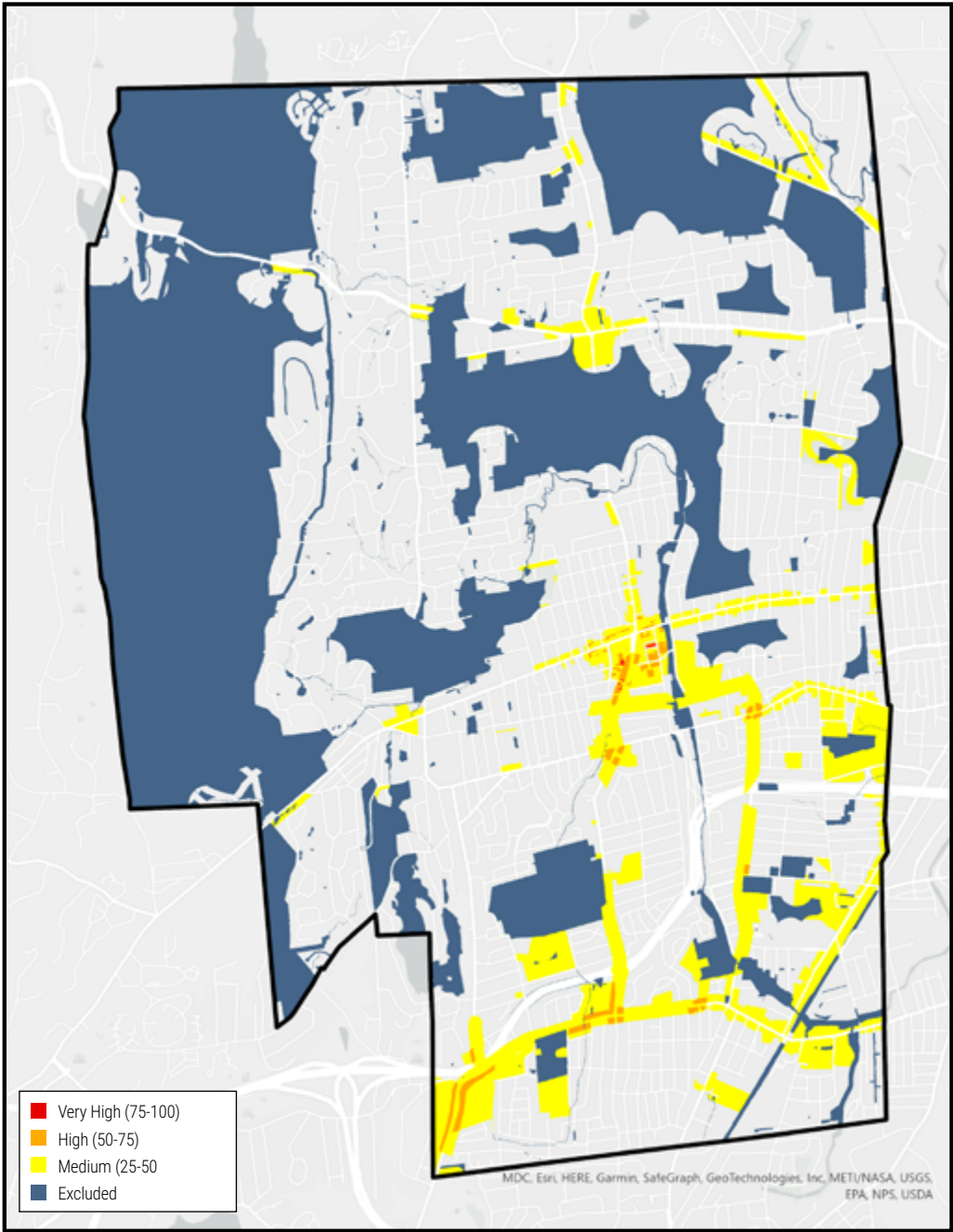
Help Elevate Underserved Communities

Demand shows us where the chargers are most likely to be used, ZEVDecide™ goes further and applies the need for where investment may overcome overarching societal barriers to EV adoption.

Utilize Location Registration Data

Rather than relying on national and global trends to develop solutions, ZEVDecide™ develops a range for the likelihood of EV adoption based on a region's observed growth in adoption, statewide targets and mandates, and demographics.

Optimize Charging Infrastructure

ZEVDecide™ accounts for a comprehensive range of siting factors such as the availability of power capacity and utilities; dwell times; business operations; environmental, health, and safety; and other sensitive cultural considerations that will contribute to the various permitting requirements.

Related Items

ZEVDecide™

West Hartford Electric Vehicle Readiness Plan

Contact Us

Analy Castillo
Zero Emissions Technical Lead

Richard Pascoe
Transportation Planner,
GIS Project Manager