



GRID RESILIENCE INSIGHTS

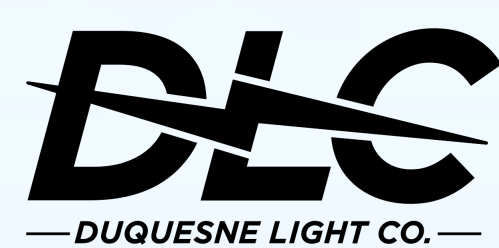
Strengthen energy grid resilience for long-term sustainability

Now more than ever, in the face of climate change and related stressors, upgrading aging infrastructure is key to maintaining safe, efficient, and reliable service. Yet much of the data required to prioritize upgrades is often disparate, siloed, and hard to distill into actionable insights.

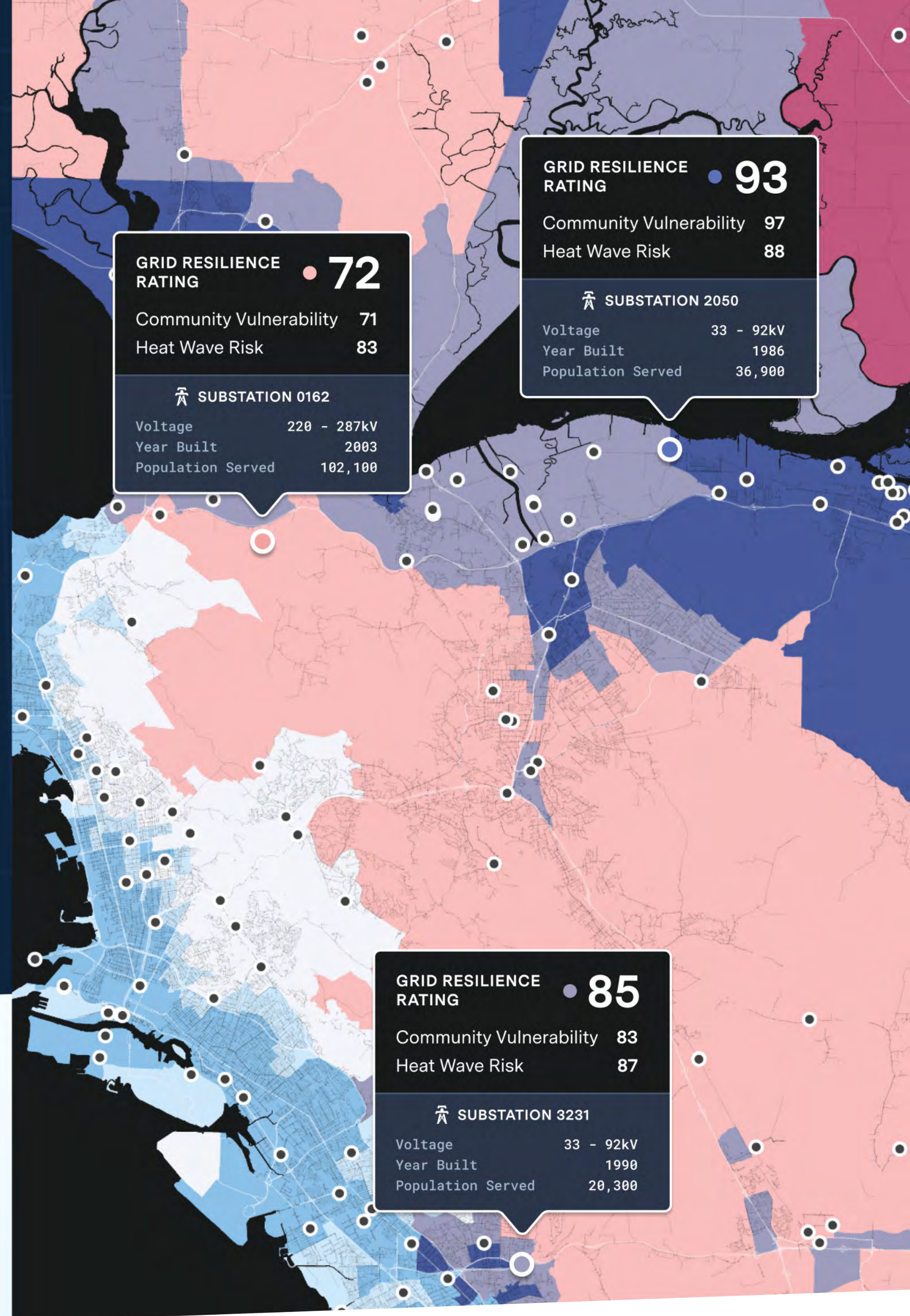
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Get the insights you need to better prioritize grid upgrades.

UrbanFootprint Grid Resilience Insights provides clear maps and data visualizations on where to prioritize grid asset investments and plan interventions in grid resilience to reduce risk, improve return, and support disadvantaged communities.

By combining numerous datasets on the built and natural environment, climate risk, community vulnerability, and infrastructure condition and capacity, UrbanFootprint empowers utilities, agencies, and community leaders with hard data to drive sound decision-making. Its curated and up-to-date insights streamline internal, community-facing, and regulatory compliance processes and scale to numerous service territories across regions.

Adapt Better

Mitigate risks to grid assets, optimize siting of new infrastructure, and minimize impacts on disadvantaged communities. All from a single source of climate, hazard, urban, and community vulnerability data.

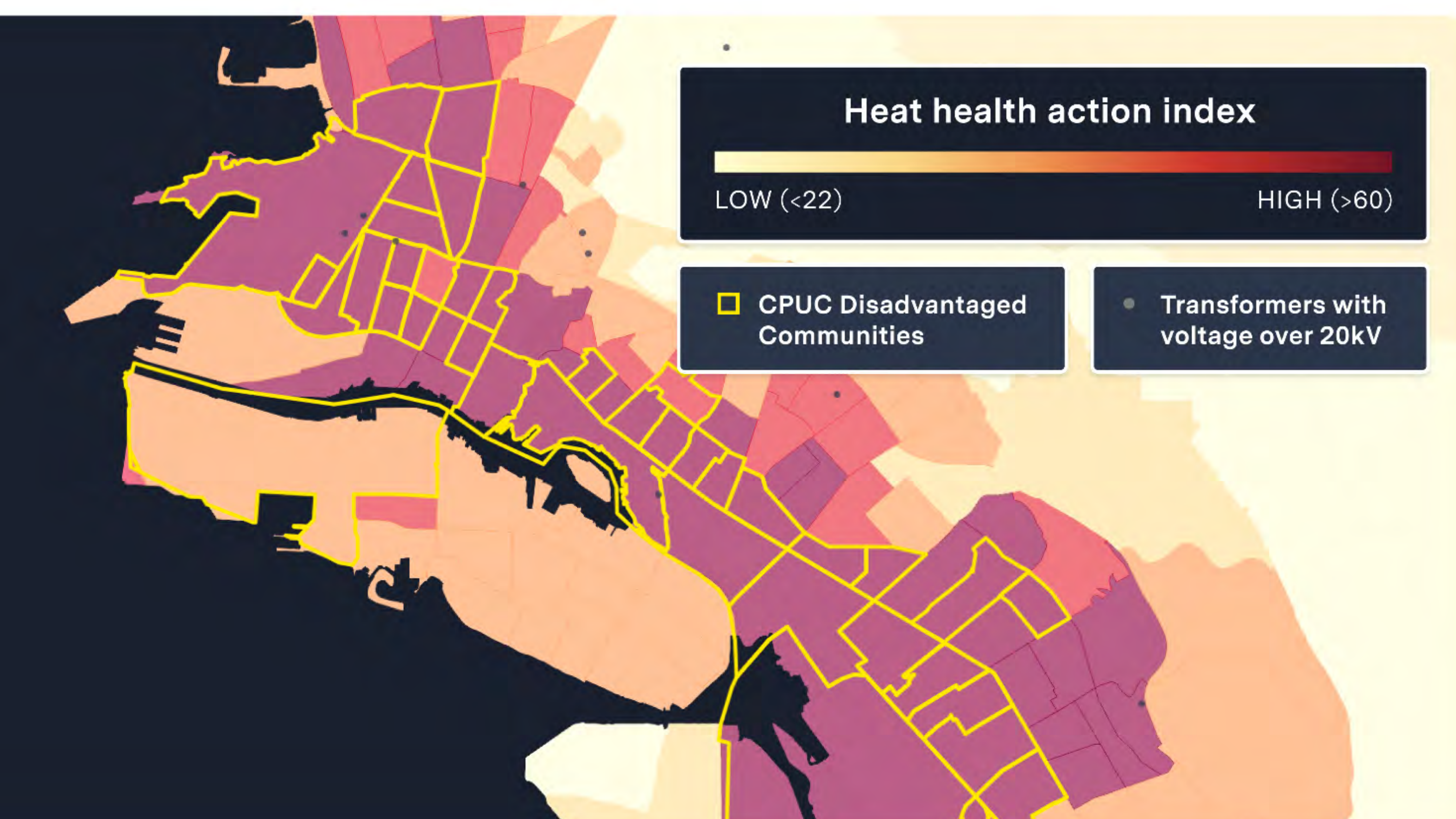
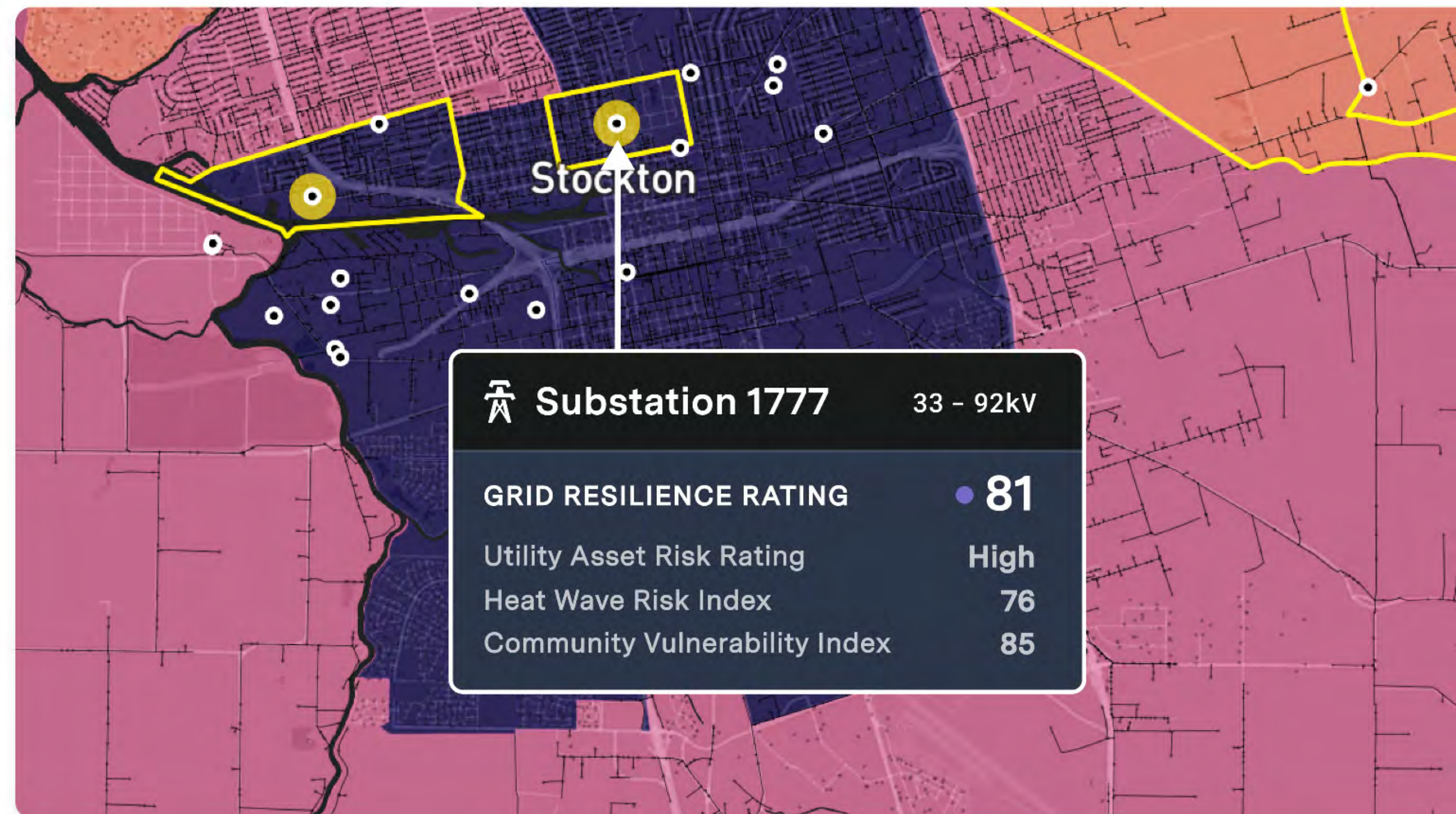
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FIND SIGNAL THROUGH NOISE

UrbanFootprint Grid Resilience Insights integrates previously isolated, complex, and varied data layers into an intuitive and easy-to-use browser-based experience designed to support grid-upgrade decision making in an increasingly complex climate and regulatory environment.

Visualize the full range of risks to existing infrastructure

- Pinpoint assets at risk of heat waves, wildfires, sea level rise, inland/coastal flooding, or other emerging hazards
- Identify hazards affecting energy grid assets, including substations, transmission towers, lines, and distribution networks
- Incorporate key infrastructure data to map and visualize grid assets alongside other key datasets for a comprehensive picture of risk



Measure impacts of natural hazards and grid outages on service territories

- Locate populations most impacted by severe weather events, grid failure, and other environmental & health shocks
- Assess community vulnerability based on urban, socio-demographic, and climate-risk factors
- Optimize siting of cooling centers and other emergency community facilities

Aggregate risk assessments into an actionable composite profile

- Support grid investment planning and prioritization with a comprehensive assessment that incorporates data from numerous sources.
- Leverage composite profiles into easily created collateral and map assets for stakeholder and community engagement



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