

HEER AND NOW

Honeywell Energy Equity &
Resiliency Program

Honeywell

INNOVATIVE ENERGY MANAGEMENT TO IMPROVE ENERGY EQUITY AND COMMUNITY RESILIENCY

Throughout the country, cities of all sizes are growing, some are shrinking, and the pace is accelerating. Honeywell is working with cities to implement innovative energy solutions to reduce peak demand 200MW or more, improve community resiliency, strengthen grid reliability, lower energy costs, and help bridge the social divide in communities.

Honeywell is working with the Department of Energy to provide our city and utility customers with energy innovations that

REDUCE greenhouse gas emissions and peak load demand

ENHANCE social equity

IMPROVE community resiliency.

The Honeywell Energy Equity and Resiliency (HEER) Program will deliver substantial value to cities, economically vulnerable citizens, commercial enterprises and utilities through an innovative and uniquely integrated energy management platform, a scalable business model, and a diversified portfolio of distributed energy resources. The HEER Program combines distributed energy resources such as batteries, solar PV, and EV chargers with a demand side management program implemented as both an Energy Equity Virtual Power Plant VPP, Energy Efficiency Programs, as well as Energy Resiliency capital projects.

SAFETY



PUBLIC SAFETY



HEALTHY BUILDINGS

ENERGY



ENERGY EQUITY



COMMUNITY RESILIENCY

(HEER)

MOBILITY



COMPLETE STREETS



FLEET ELECTRIFICATION

Honeywell City Suite

HONEYWELL IS HEER TO MAKE AN IMPACT

Honeywell's Energy Equity VPP is like traditional VPPs in that utilities will purchase megawatt hours of demand-side management in lieu of using peak generation facilities or purchasing wholesale power. However, in addition to municipal, commercial, and residential customers, Honeywell will also specifically target low- and moderate-income households to help city leaders bridge the social equity divide in their communities.

A typical Honeywell smart city could deploy

5-10MW of battery storage,

10-20MW of solar PV, and

50-100 EV charging stations

as part of the HEER program.

Honeywell's Community Resiliency solutions will focus on providing communities with a cohesive and layered approach to mitigating the impacts of climate change. Honeywell will work with cities and utilities to define layered and phased Energy Resiliency solutions scaled to the target community and 'pre-packaged' in large, medium, small, and highly distributed system configurations. The intent of the Community Resiliency solutions is to provide cities with a comprehensive approach to resiliency, along with practical solutions that can be deployed strategically across the spectrum of their needs to demonstrate the scalability and replicability of these solutions nationwide.

ENERGY EQUITY

COMMUNITY RESILIENCY

NET ZERO EMISSIONS

HONEYWELL CITY SUITE

IOT Data Integration and Normalization

AI and Machine Learning

System-of-Systems Command and Control

City-Utility System Integration

Stakeholder Reporting

Measurement & Verification

METERING

- AMI
- Submetering
- Meter Data Management

DERMS

- DER Peak Load Management
- Market Integration

SCADA

- Water/Wastewater Plants
- BESS/PV Integration
- Utility EVSE Integration

SUSTAINABILITY

- Building Portfolio Management
- EE & Load Optimization
- Facility EVSE Integration

END-TO-END CYBERSECURITY

Honeywell's vision, breadth of innovative offerings, and global experience all come together to deliver innovative solutions. The co-creation journey with our customers helps us identify desired energy equity and resiliency outcomes. This allows us to collaboratively define and execute strategies to reduce cities' carbon footprint, enhance social equity, strengthen community resiliency, and drive economic development. With Honeywell as your smart city partner, you can not only see the future, but HEER it too.

For more information

buildings.honeywell.com/us/en/industries/smart-cities

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**THE
FUTURE
IS
WHAT
WE
MAKE IT**

Honeywell