

DOCKETED	
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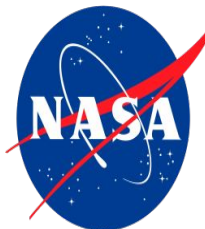
Kiran Jain
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**Collaborative.
Data-driven.
Equitable.**

Oakland EcoBlock

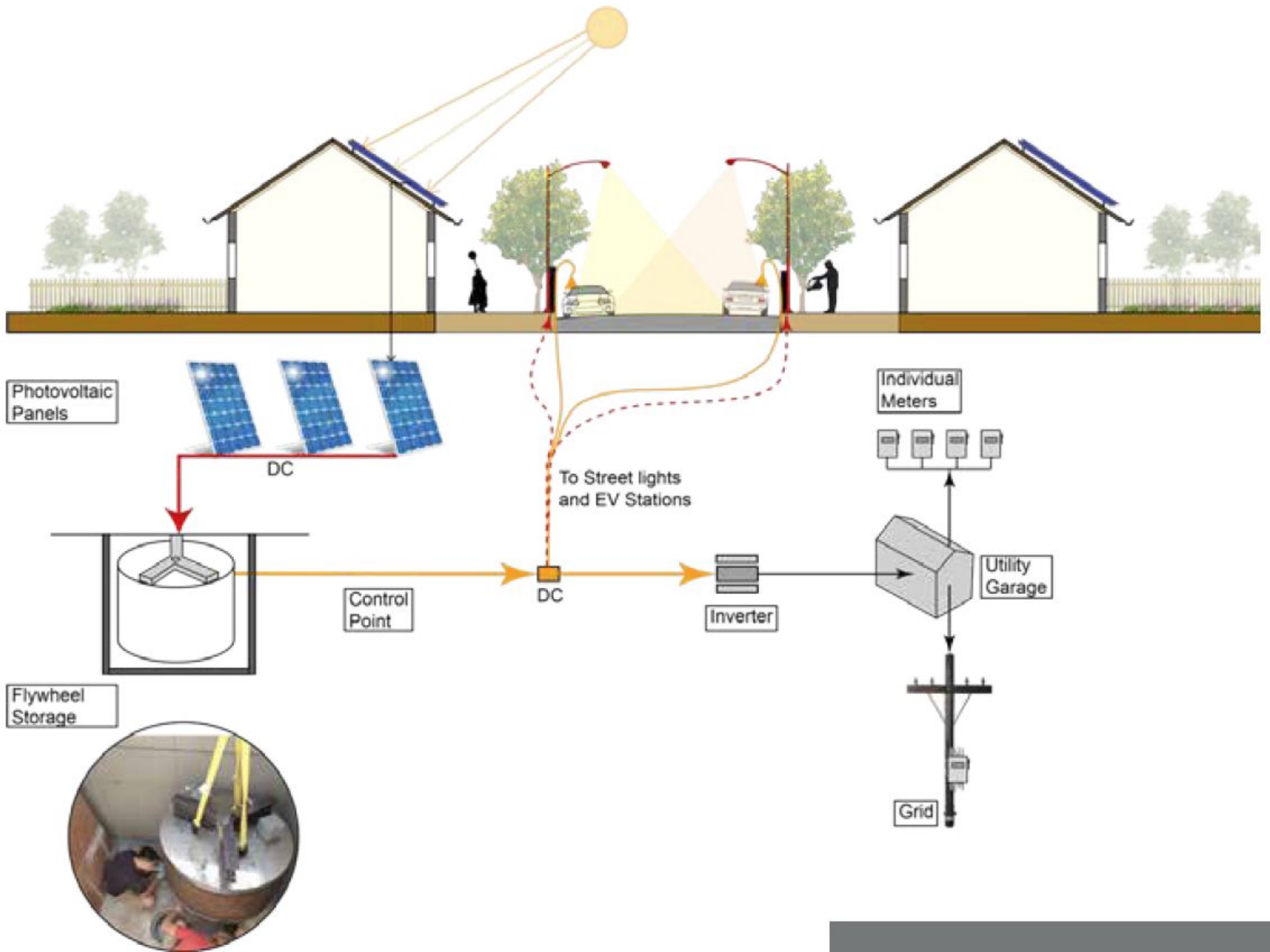
Pathway to Urban Resilience:
A Transformative Response to Climate Change



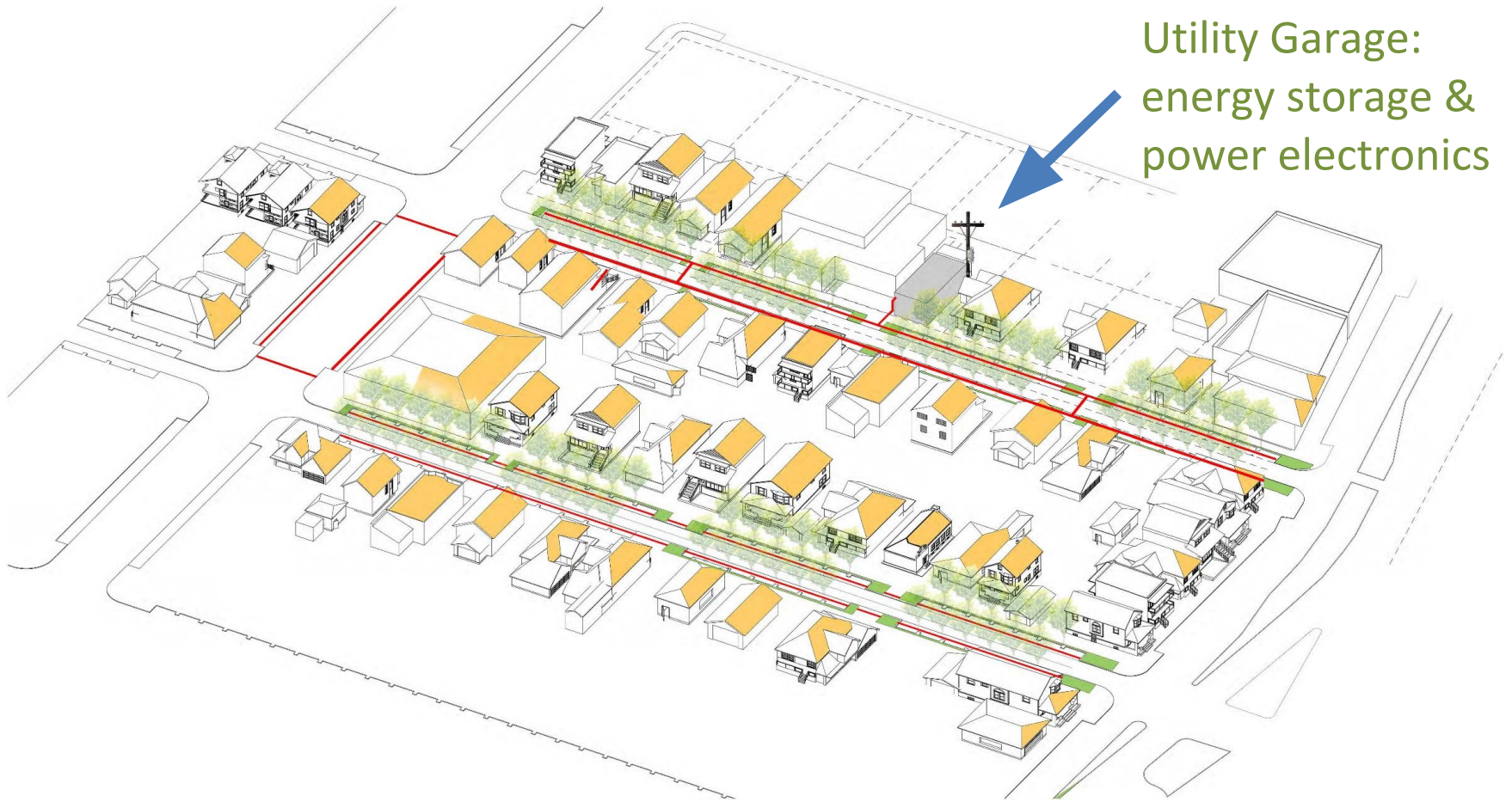
Solar, block-scale retrofits can drive zero-carbon, water-secure neighborhoods and propel urban resilience

EXISTING
SITUATION

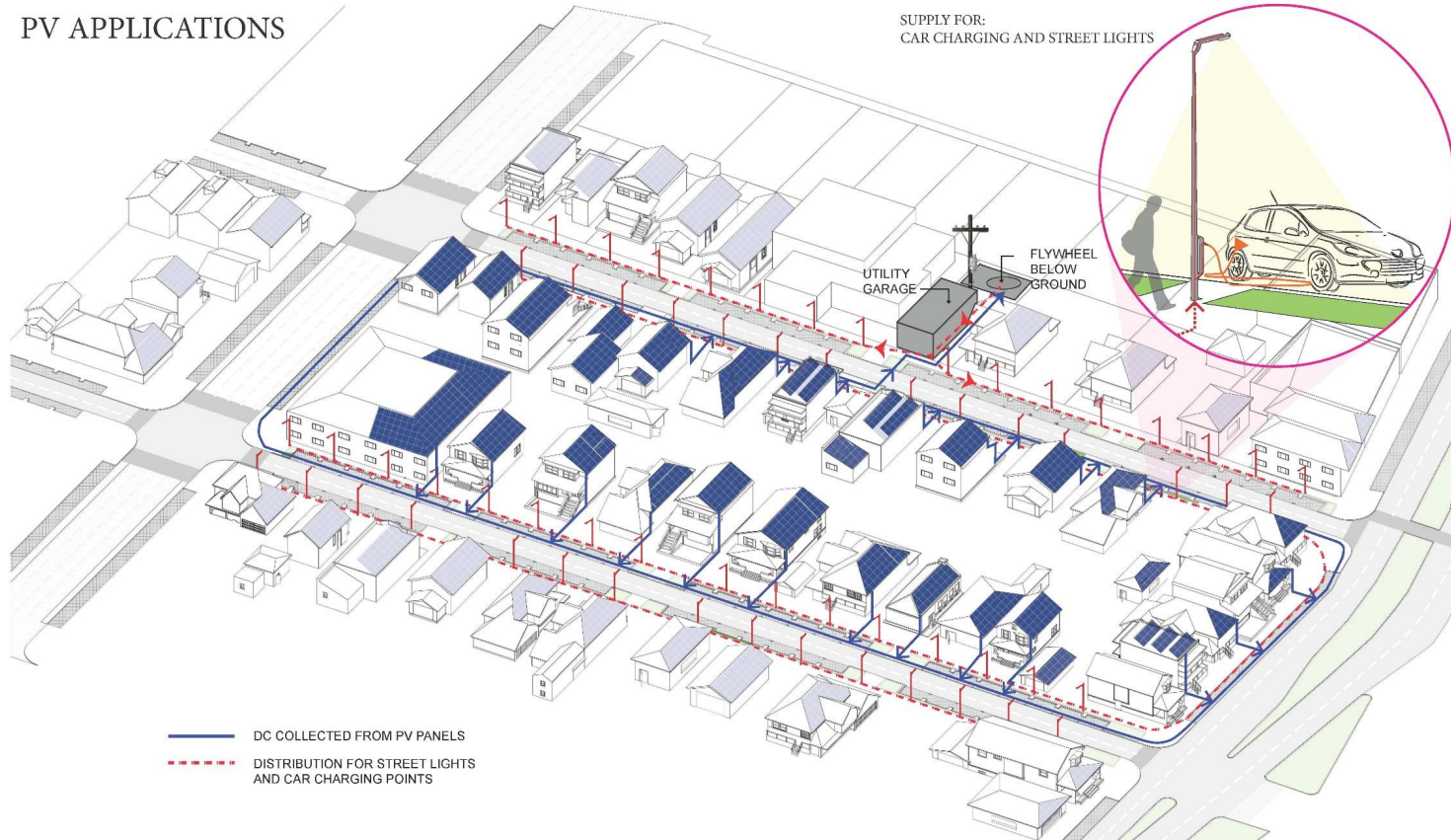




Energy: communal, solar rooftop microgrid system



Energy: Nighttime storage for homes, EVs & street lighting



EcoBlock involves 3 parallel frameworks

1. House-scale retrofit



- weatherization, insulation, double-glazing
- EE appliances + lighting, smart controls
- rooftop solar

2. Block-scale retrofit



- communal solar and smart grid
- flywheel energy storage
- shared electrical vehicles

3. Institutional pathways



- CPUC statutes
- local code & permitting requirements
- compliance with California & Federal sustainability targets

THANK YOU!



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