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Advanced Energy Group
Grid Modernization
July 14, 2022

DEPARTMENT OF ENERGY AND ENVIRONMENT
ENERGY ADMINISTRATION



**GOVERNMENT OF THE
DISTRICT OF COLUMBIA**
MURIEL BOWSER, MAYOR

ENERGY AND CLIMATE GOALS AND TARGETS BY 2032:



ADAPT TO CLIMATE CHANGE

CLIMATE READY BUILDINGS

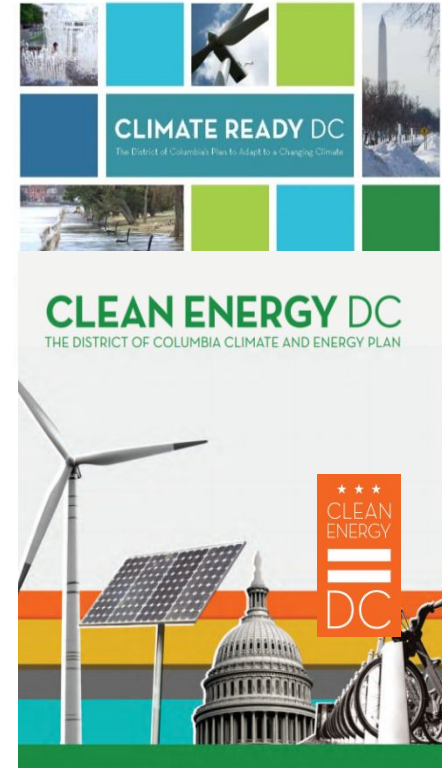
CUT ENERGY USE 50%

50% RENEWABLE ENERGY

100% RENEWABLE ELECTRICITY

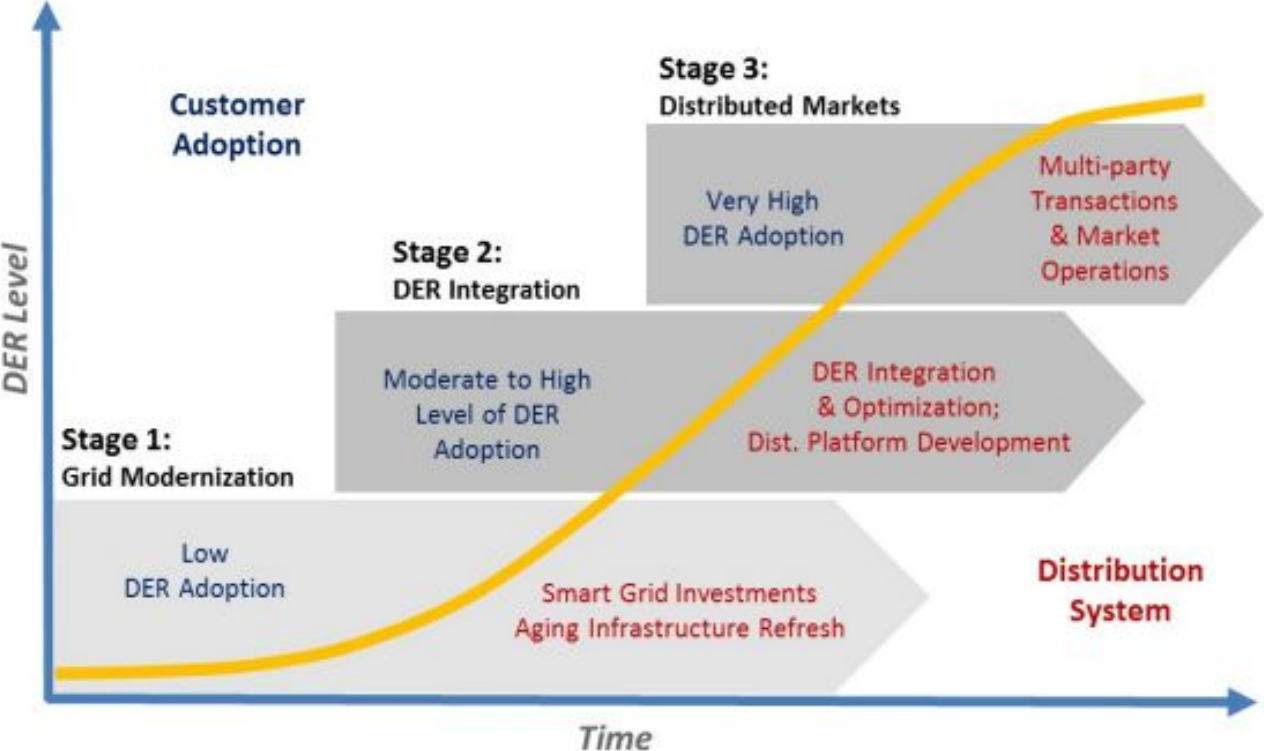
NET ZERO BUILDINGS

CUT GHG EMISSIONS 50%



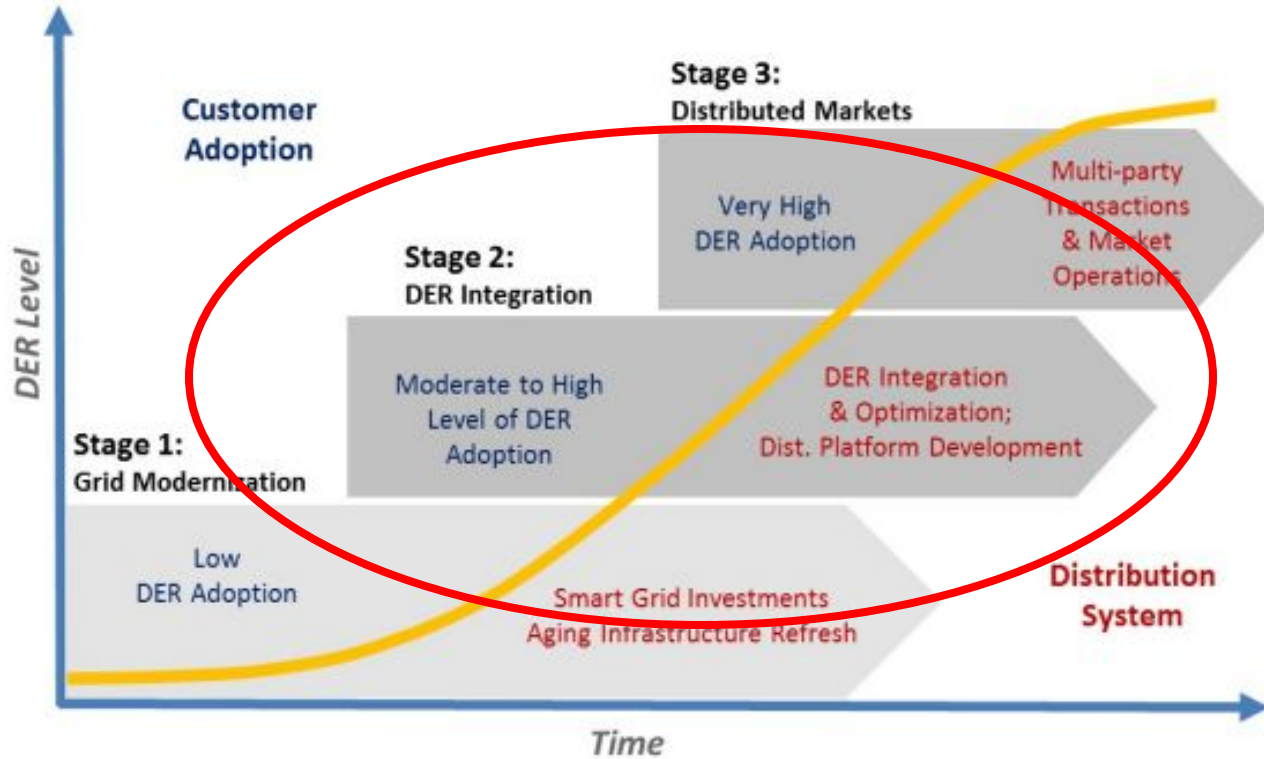
CLIMATE GOAL BY 2050: CARBON NEUTRALITY

STAGES OF GRID MODERNIZATION



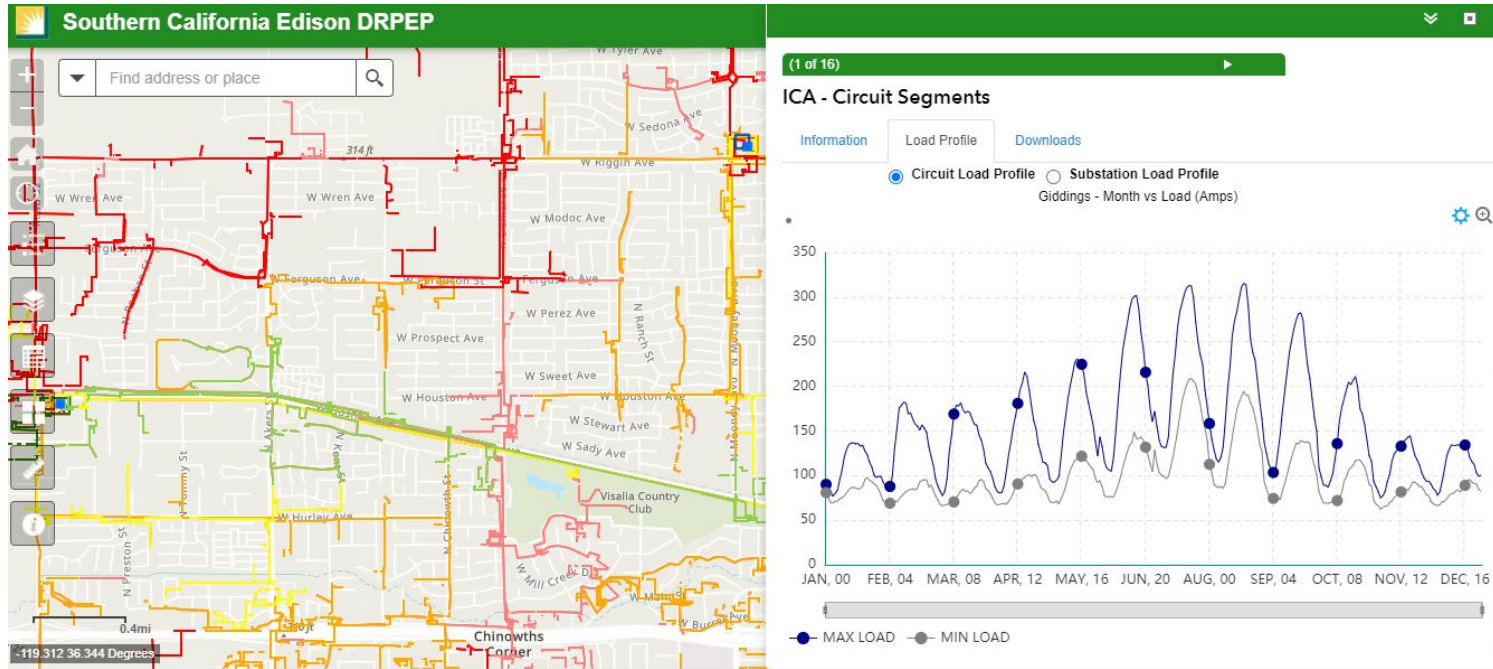
Source: De Martini & Kristov, “Distribution Systems in a High Distributed Energy Resources Future”

STAGES OF GRID MODERNIZATION



Source: De Martini & Kristov, “Distribution Systems in a High Distributed Energy Resources Future”

Regarding Grid Modernization, to achieve DC Metro's Climate, Health & Equity goals, a critical obstacle to collectively overcome in 12 months is streamlined access to customer and grid data.



Source: Southern California Edison