

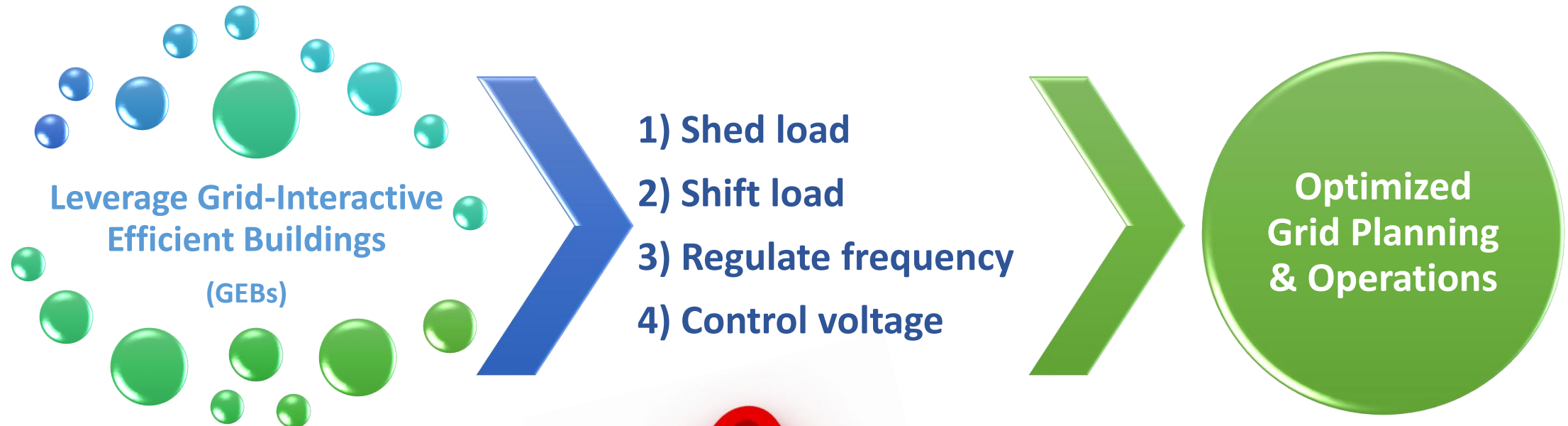
DOCKETED

Docket Number:	21-IEPR-06
Project Title:	Building Decarbonization and Energy Efficiency
TN #:	239953
Document Title:	Presentation - Grid-Interactive Efficient Buildings
Description:	S1.2B Javier Mariscal, SCE
Filer:	Raquel Kravitz
Organization:	SCE
Submitter Role:	Public
Submission Date:	10/4/2021 12:18:40 PM
Docketed Date:	10/4/2021

Grid-Interactive Efficient Buildings

IEPR Commissioner Workshop
October 5, 2021

GEBs Grid Value Proposition



Will GEBs perform as promised?

GHG Policies Are Evolving

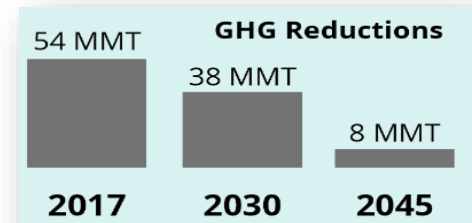
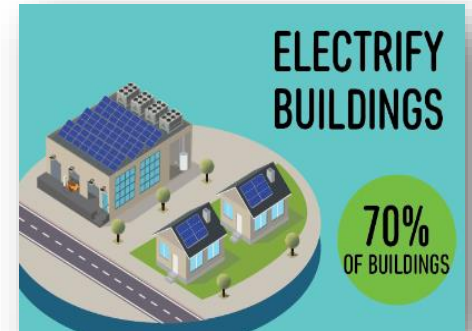


- Assembly Bill 32
- 1990 levels by 2020

- Senate Bill 32
- 40% below 1990 levels by 2030

- Executive Order B-55-18
- Carbon Neutrality by 2045

PATHWAY 2045



Customer Programs Are Evolving



Energy Code Is Evolving

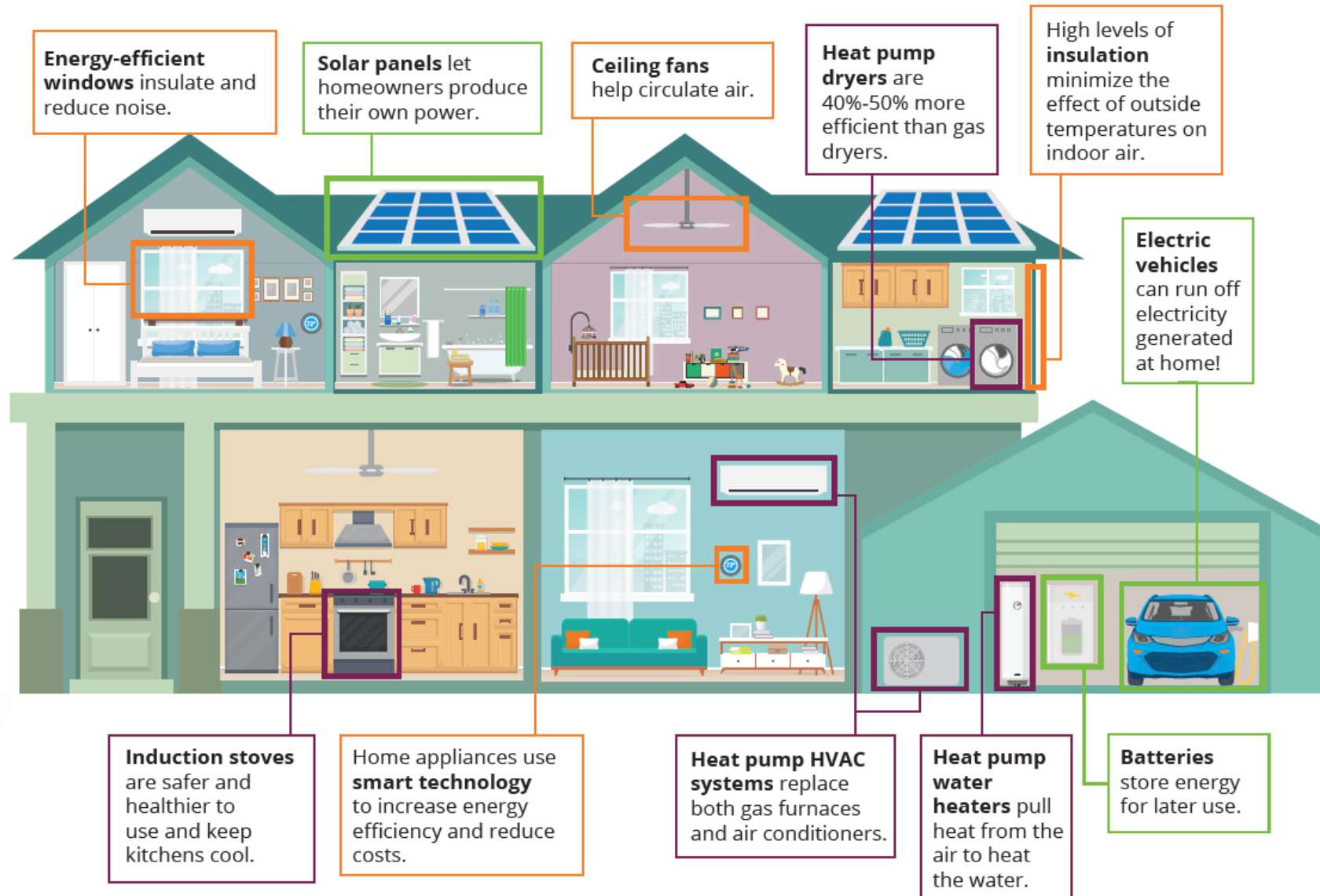
WHAT'S NEW FOR 2022?

The proposed 2022 Energy Code update focuses on four key areas in new construction of homes and businesses:

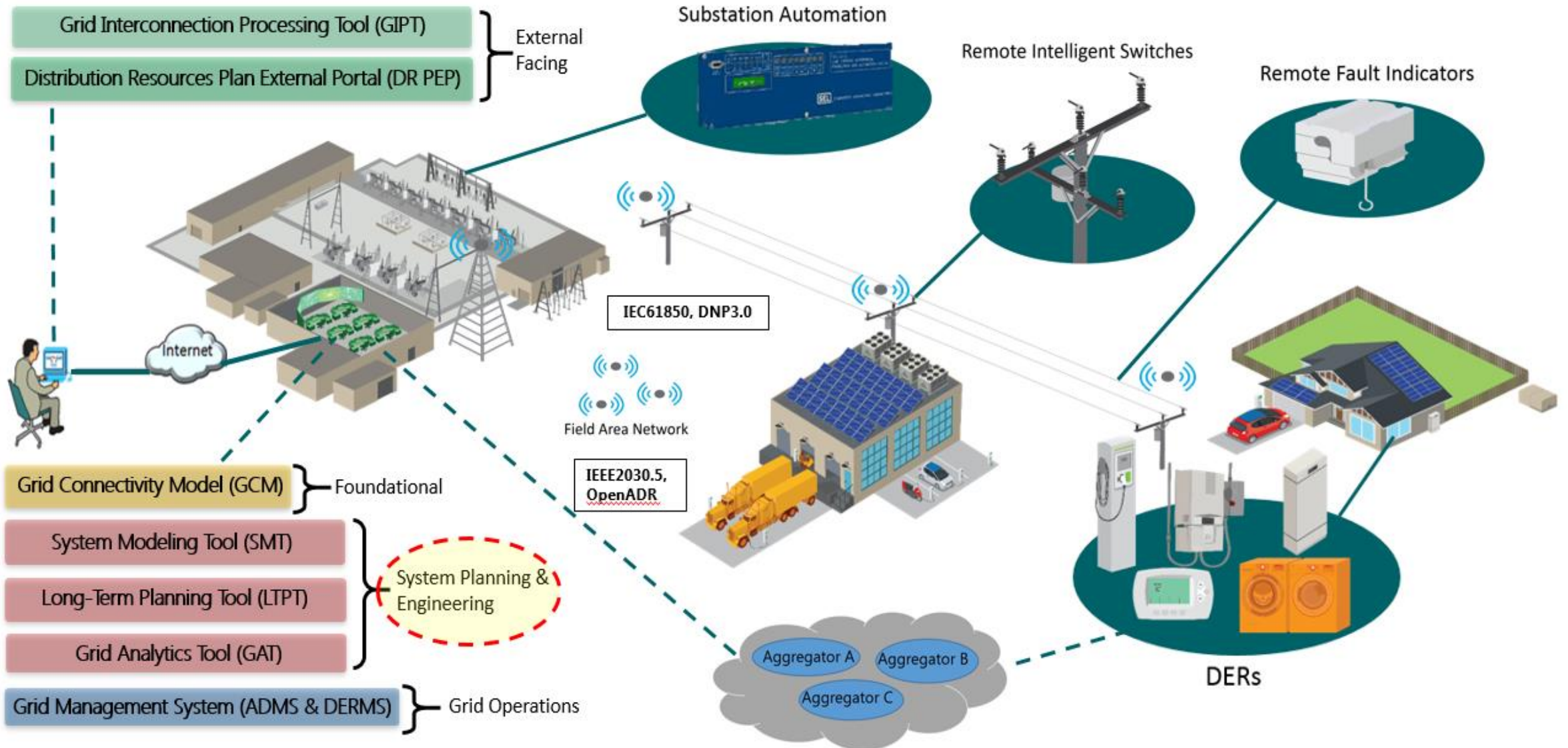
- Encouraging electric heat pump technology and use
- Establishing electric-ready requirements when natural gas is installed
- Expanding solar photovoltaic (PV) system and battery storage standards
- Strengthening ventilation standards to improve indoor air quality



Load Profiles Are Evolving

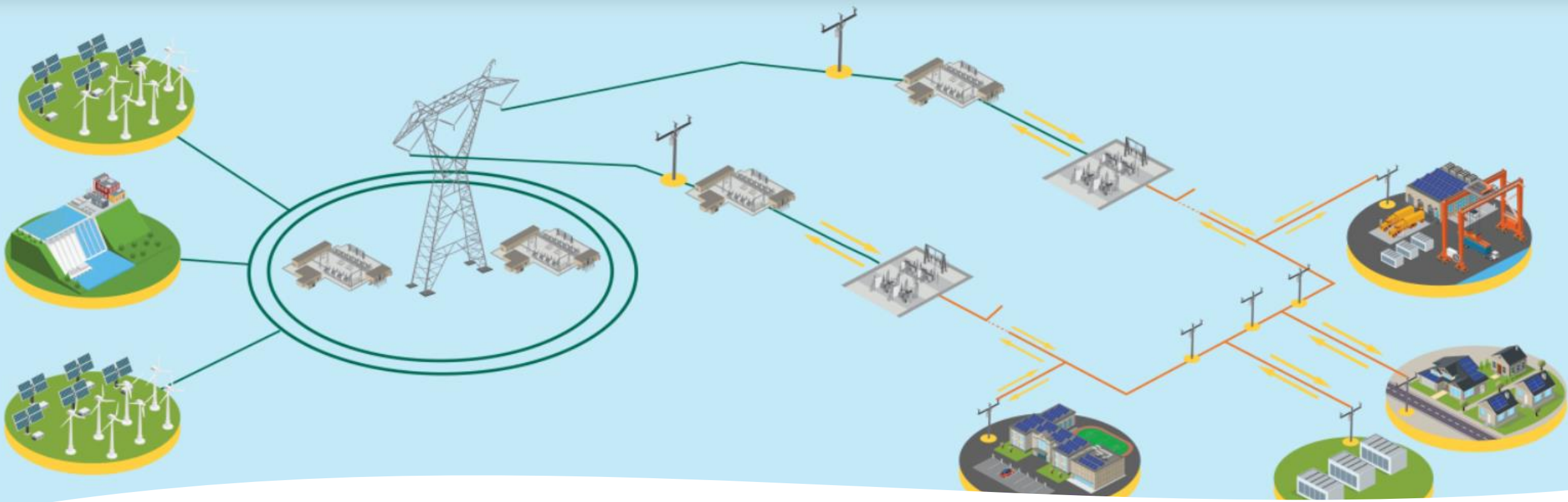


Grid Planning/Operation Are Evolving



Grid Capabilities Are Evolving





Moving Forward

Refine our forward radar

Accelerate critical technologies

Future-proof current grid initiatives

Engage stakeholders

Implement required changes to planning processes