SAVE project

June 2019



The future of energy

The Energy Trilemma

Reliable

Sustainable

Carbon Targets

Distributed Generation

Electrification of Transport

Electrification of Heat

Economic Stimulus

Sustainable Growth

Industrial Strategy

Entrepreneurship

Political principles

Democratization of energy

Community Energy

Market liberalization?

Technical advances

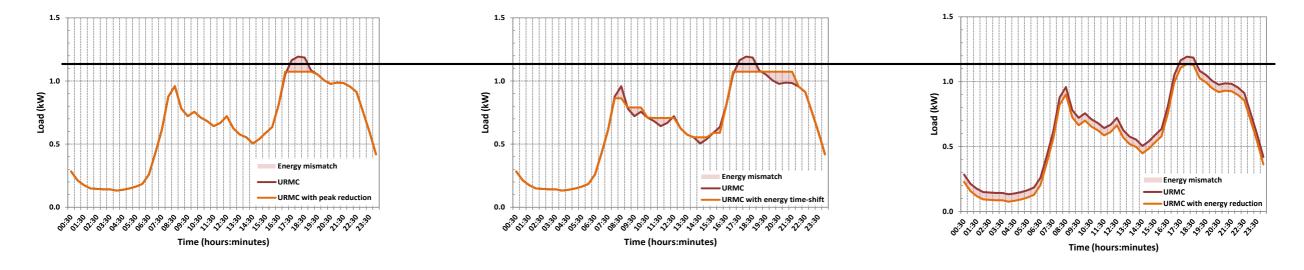
Digitization

Energy Storage and flexibility

Smart Metering



The Challenge

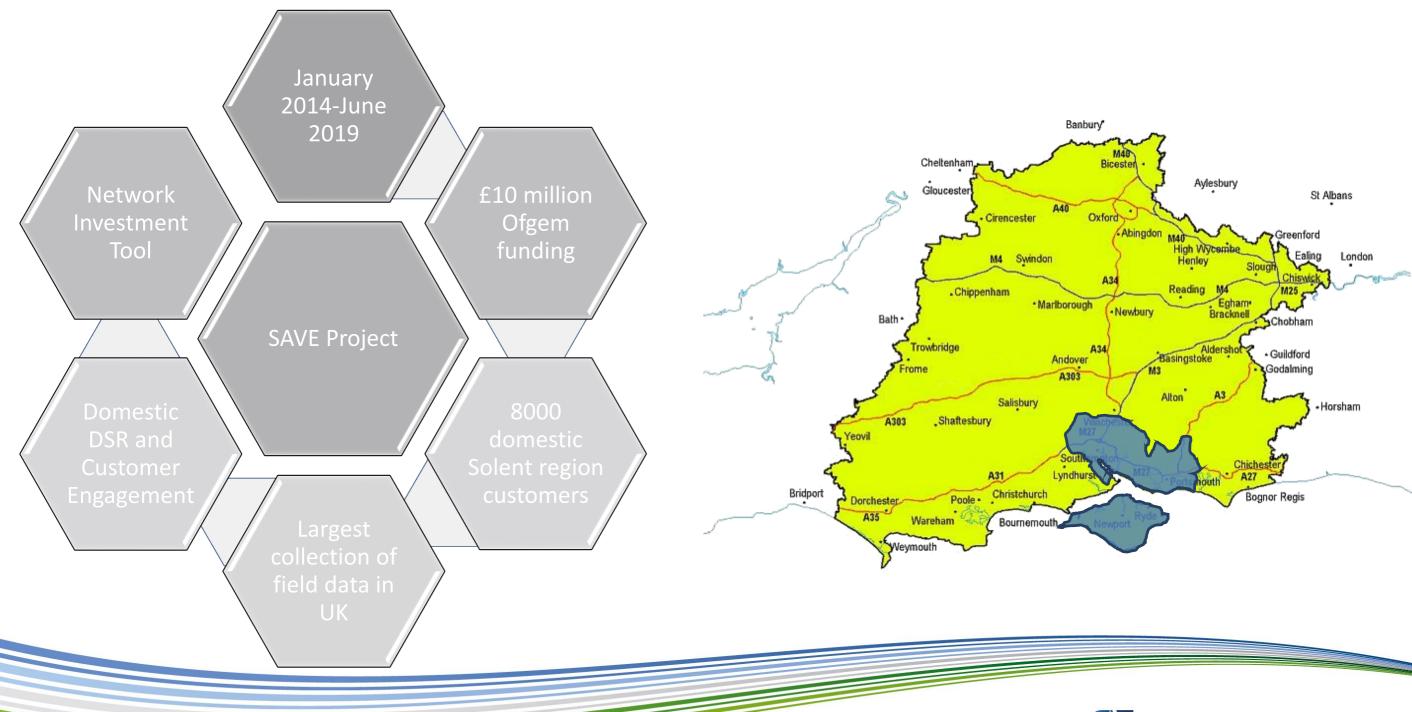


(a) Peak reduction

(b) Electricity time-shifting

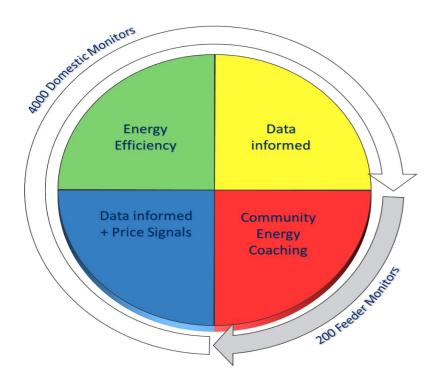
(c) Electricity reduction



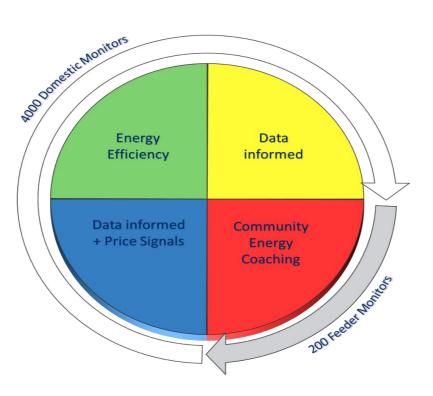




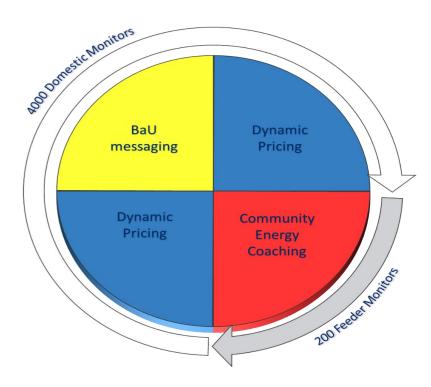
Methodology



TP1: Jan - Mar 17



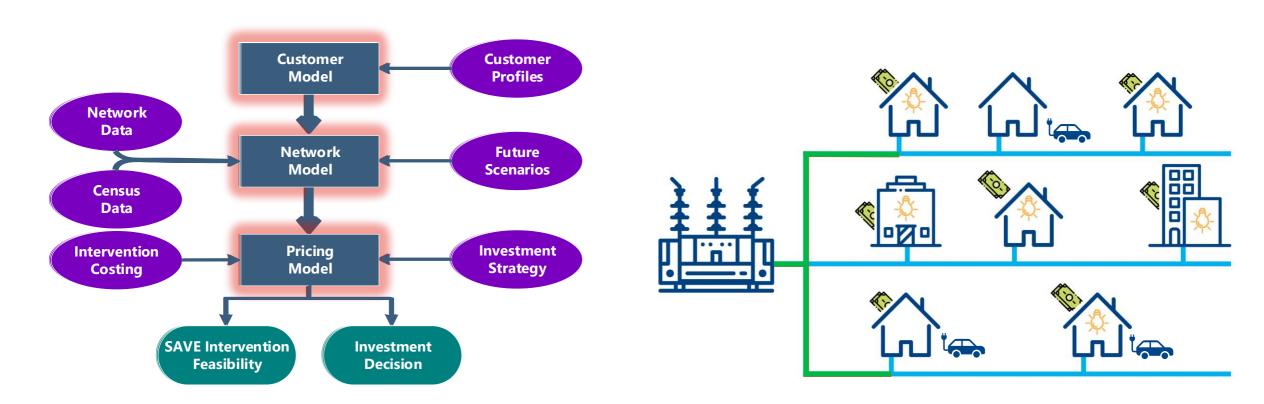
TP2: Oct 17 – Mar 18



TP3: Oct 18 – Dec 18



Network Investment Tool



Policy will effect EE, EV and LCT uptake and hence forecasting planning forecasts



TRIAL DESIGN



Opt-out approach (in-person visits door-to-door)



Installed by project staff



Up to 10 bulbs per household available



Free of charge



ANNUAL EFFECT SIZE ACROSS VARIOUS METRICS





SAVE project





SSEN customers









New nuclear plant £5 billion

VULNERABLE CUSTOMERS

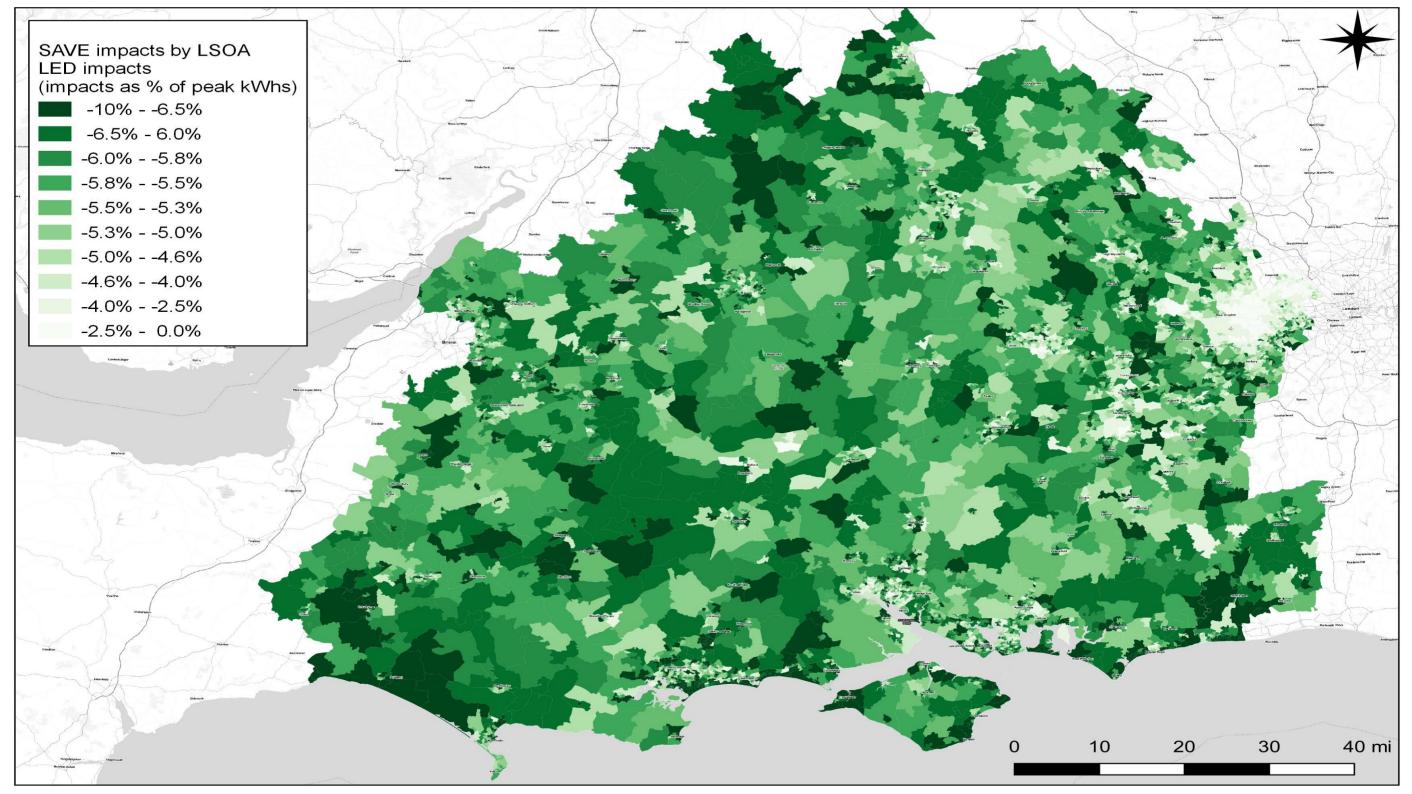


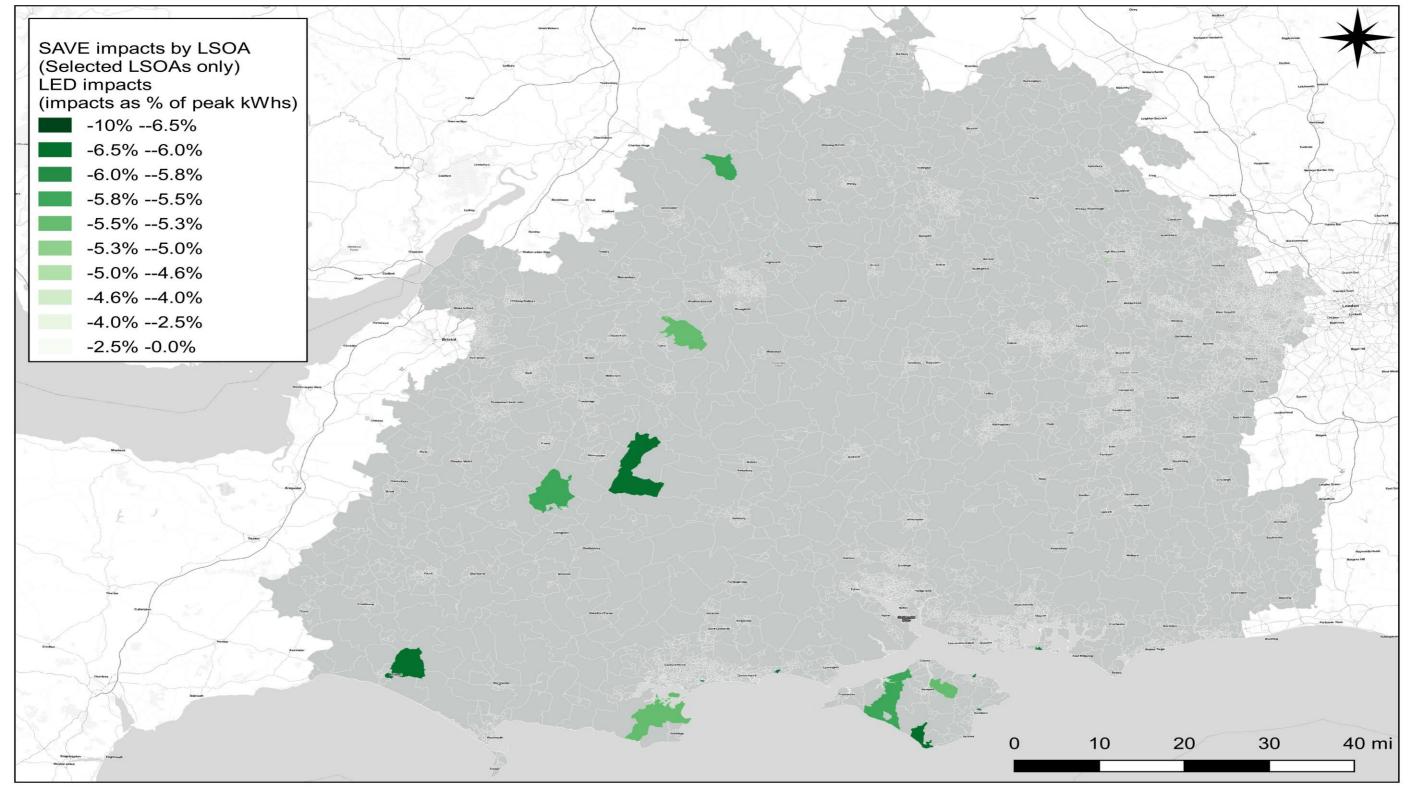
SAVE

Cost of national LED rollout £1 billion max

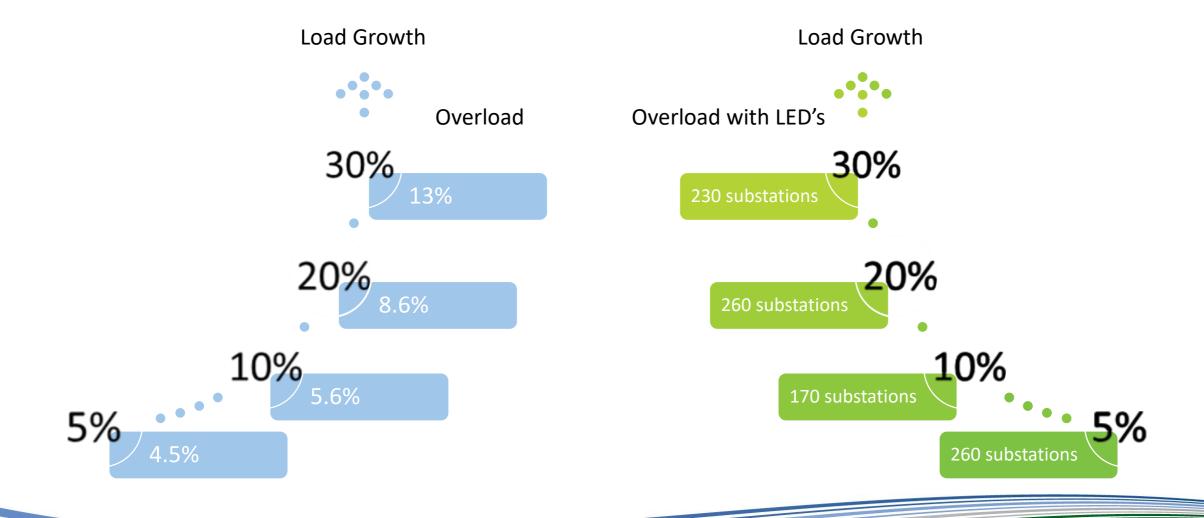








SAVE Methods and Future Networks





SAVE dataset

