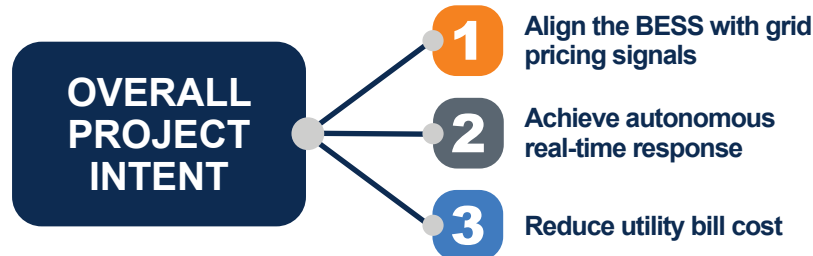


# RESIDENTIAL ENERGY STORAGE STUDY (RESS)

## OPPORTUNITY

What are the capabilities of monitoring, automation, and control of four BTM residential Battery Energy Storage Systems (BESS)?



## TECHNOLOGY

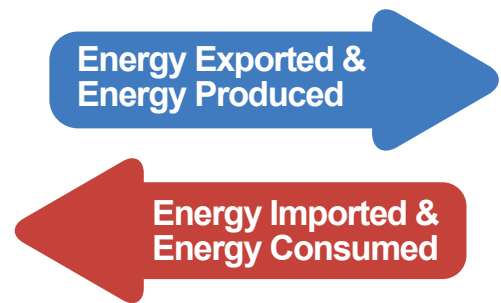
What is the technology?

- Lithium-ion battery pack
- Rooftop solar PV array
- Power Optimizers
- Inverters
- SolarEdge 5kW auto transformer
- Cloud-based Monitoring Program

SolarEdge was integrated with third-party software interfaces through a dedicated grid services API controller, which enabled automated control and data logging

## APPROACH

What was the evaluation approach?



## FINDINGS

What were the major findings?



### SOME KEY FINDINGS

- Autonomously responded to utility tariff pricing changes
- SCE's Time of Use (TOU) Prime tariff rate maximized cost savings

## CONCLUSIONS

What were the major conclusions?

