

ET Summit 2019

Presented by



Normalized Metered Energy Consumption (NMEC) Programs:

New Opportunities and Challenges

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Context

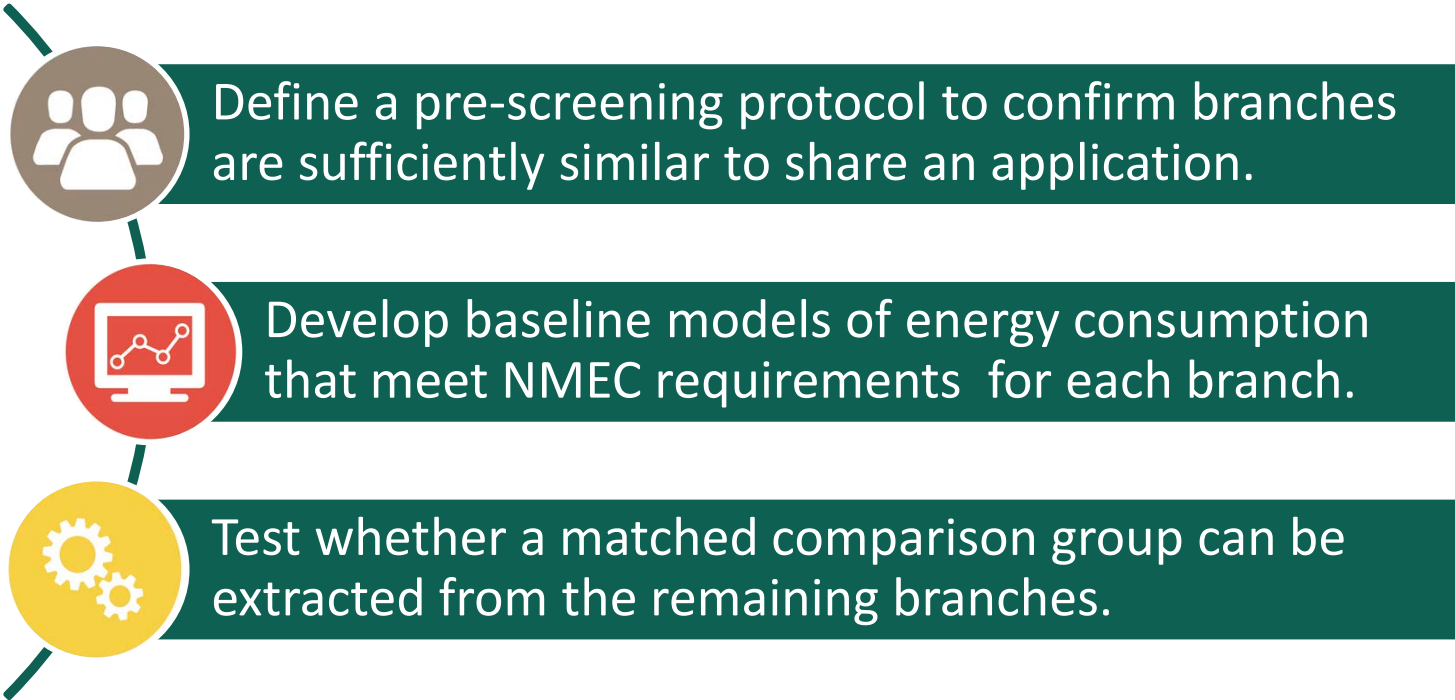
- NMEC enables implementers to offer unique bundles of measures, where the savings claimed (and incentives paid) are based on savings observed at the meter
- CPUC classifies NMEC programs and projects as Custom, subject to all custom rules and requirements
 - Submit applications for each project
 - Determine appropriate baseline
 - Receive approval before proceeding with the project

Opportunity

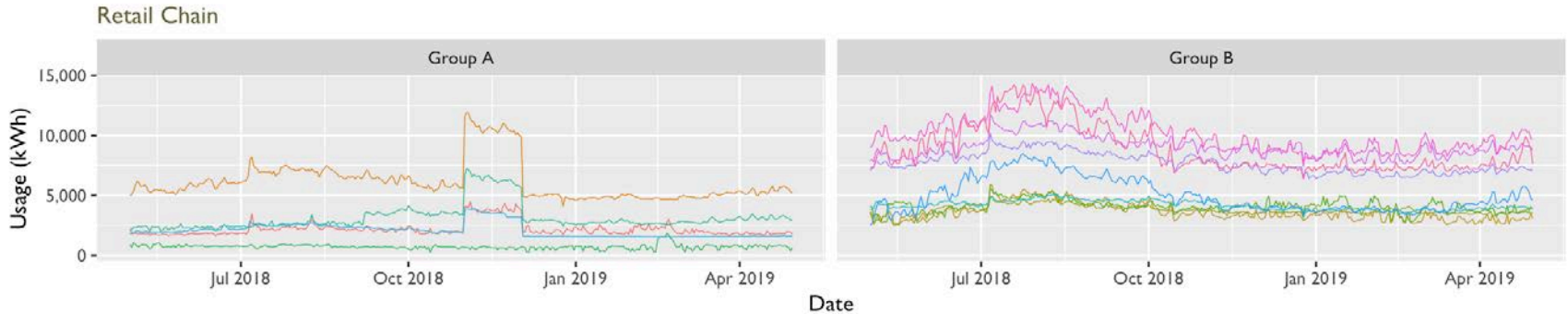
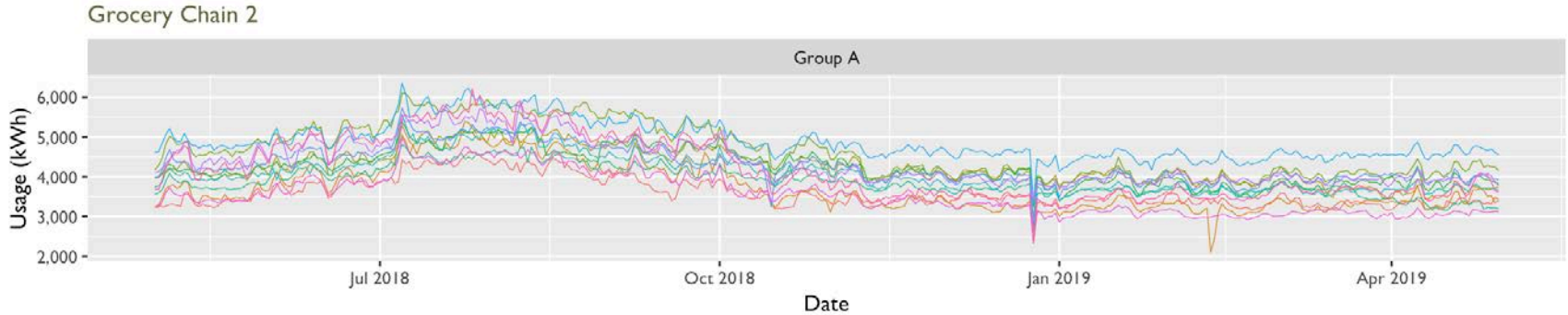
- Retail chains are willing to adopt new measures
- Prefer to budget, schedule, and complete projects across branches simultaneously.
- Many can wait for incentives, but can NOT wait for the custom approval process to learn which branches are eligible.

Can we streamline the application and approval process for chain businesses?

Approach



Baseline Usage by Chain and Branch



Pre-Screening

Concurrent Participation

- Net Energy Metering (NEM)
- Demand Response (DR)
- Third party programs

Data Cleaning

- Flag outliers
- Non-routine event (NRE) detection

Pre-Screening

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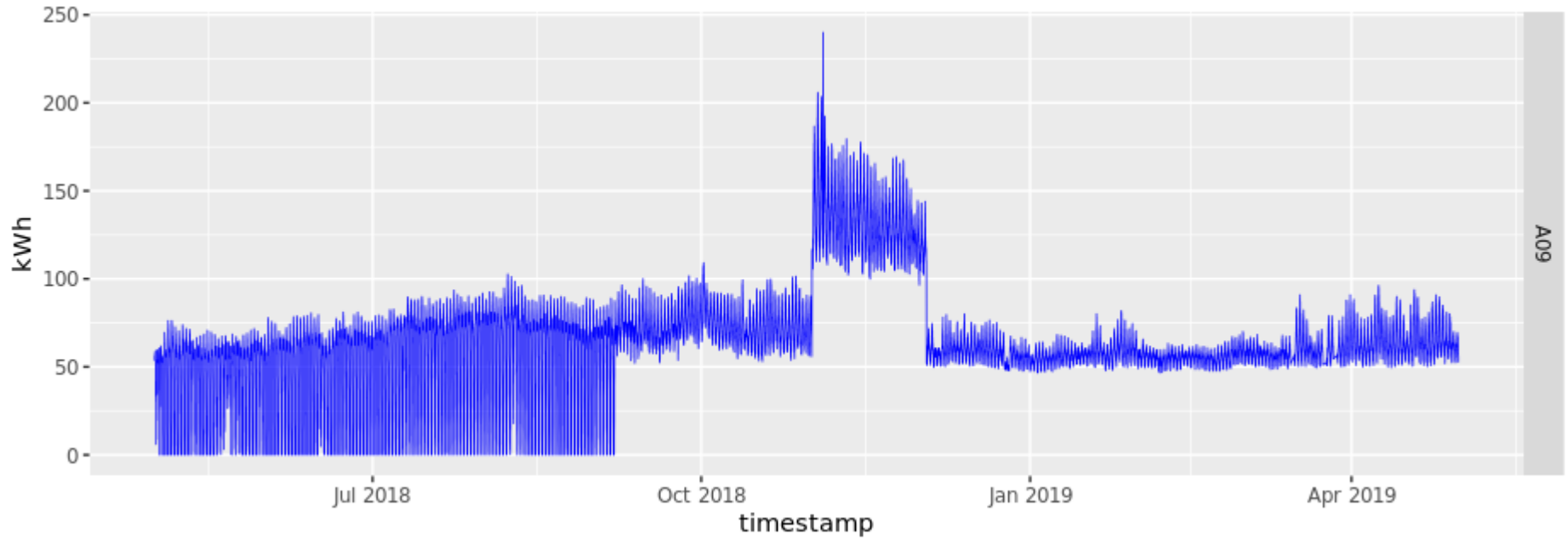
Will it have the **same impact** in the baseline as the reporting period?

Data Cleaning

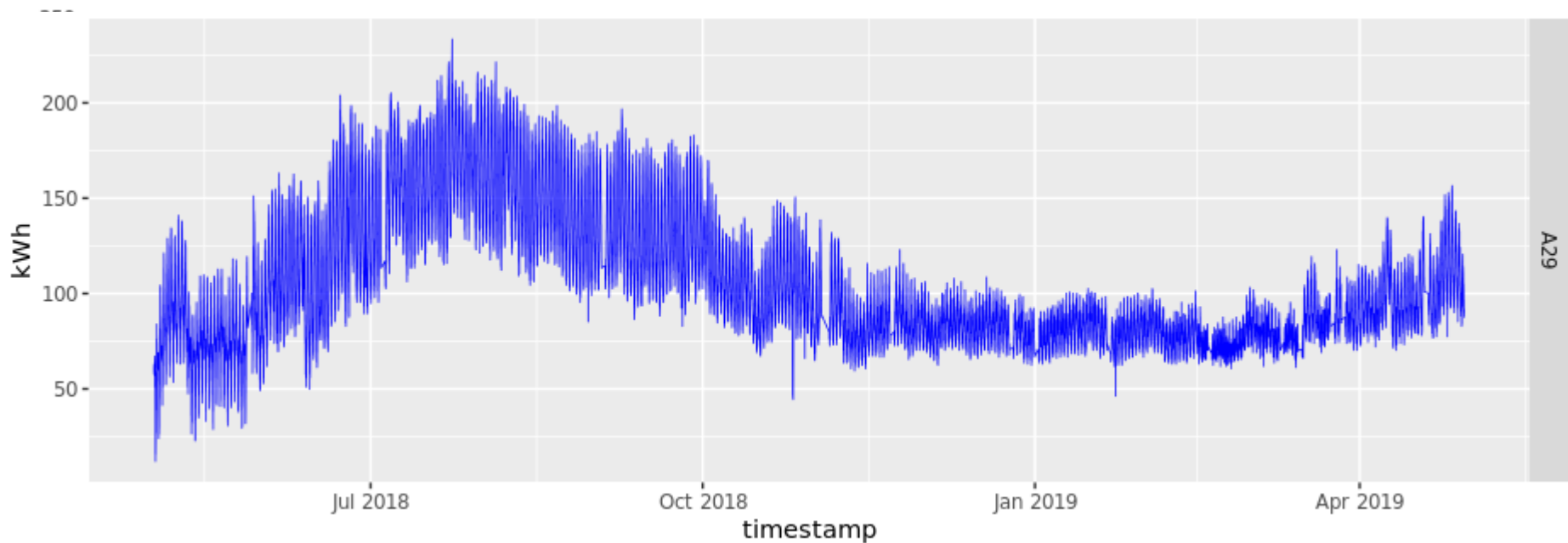
- Flag outliers
- Non-routine event (NRE) detection

Do we need more information to explain **strange patterns** in baseline usage?

Difficult Building Example



Simple Building Example



Next Steps

Finalize individual
baseline models

Develop matched
comparison group

Reporting

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