How long does Commercial Strategic Energy Management stick?

A study of savings persistence.

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DNV GL – Energy
Commercial Building Participants Engage in SEM

Baseline Year

YEAR 1

- SEM Cohort
- Executive sponsor
- Energy champion
- Energy team
- Energy policies & goals
- Energy use monitoring & tracking
- Building assessments
- Opportunity registers

YEAR 2

- SEM Continuation
- Monthly status calls
  - Energy champions
  - Building operators
- Quarterly workshops
- Support for additional buildings
  - Building assessments
  - Energy use monitoring & tracking

YEAR 3
Case 1 – Evaluated savings continue for 3 years after Program

- Office building 900,000 square feet
- Over 10 GWh consumption
- Tracking savings based on Year 1 actions, continue at same level
- Evaluated savings modeled for the next 3 years, slight increase over claimed

Savings are not static although no changes made
Case 2: Evaluated savings show variation

- Office building – over 100,000 square feet
- Annual usage 3 GWh
- Participation for 2 years
- Evaluated savings show greater variation

Overall, evaluation found the program is achieving savings, but results are nuanced and mixed at the site level.
Savings persist, but not at original levels and not always consistent

Current results indicate that savings occur, but at reduced levels in the second and third year. This occurred even though most participants continued to engage in the program.
Thank you!

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