



CADMUS



SEM Adoption Scoring

BECC Conference

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Strategic Energy Management

SEM programs provide long-term technical support to help customers:

- Develop a long-term energy planning strategy
- Integrate energy management into their business planning

Offered to industrial and commercial customers

Program Design Elements

CEE standardized the definition of the minimum SEM elements in 2014

Different programs offer different versions

Incentive
structure



SEM
activities



Incentive
structure



SEM
activities

Measuring Impact

Comparing baseline energy use

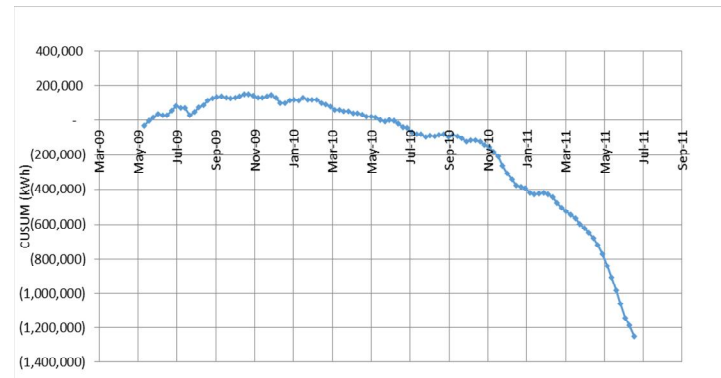
- CUSUM

Assessing capital measure adoption

- Opportunity Registers

Evaluating adoption

- Adoption Survey and Scoring



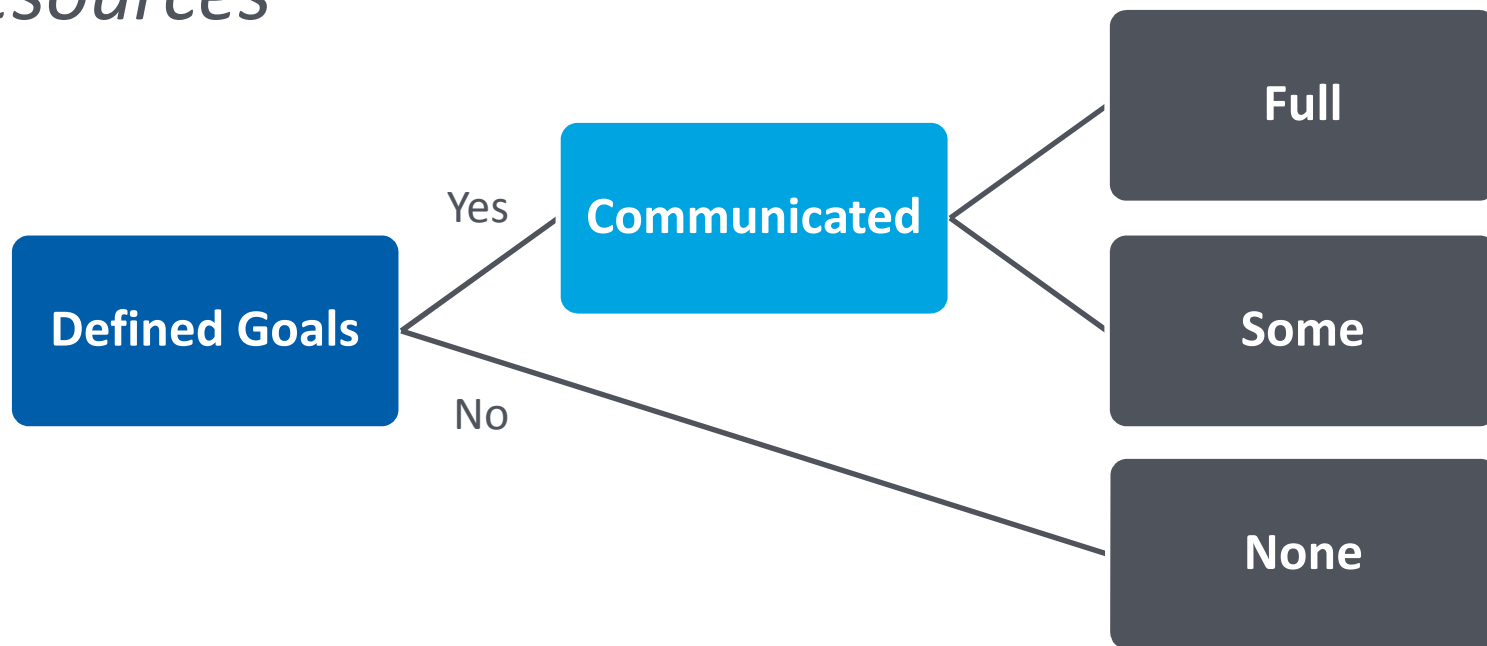
SEM Elements and Adoption Scoring

Business Name	SEM Elements			
	1. Customer Commitment	2. Planning and Implementation	3. MT&R	All Categories
Facility 1	Full	Some	Some	Some
Facility 2	Some	None	Full	Some
Facility 3	Full	Full	Full	Full

Customer Commitment

Policy and Goals

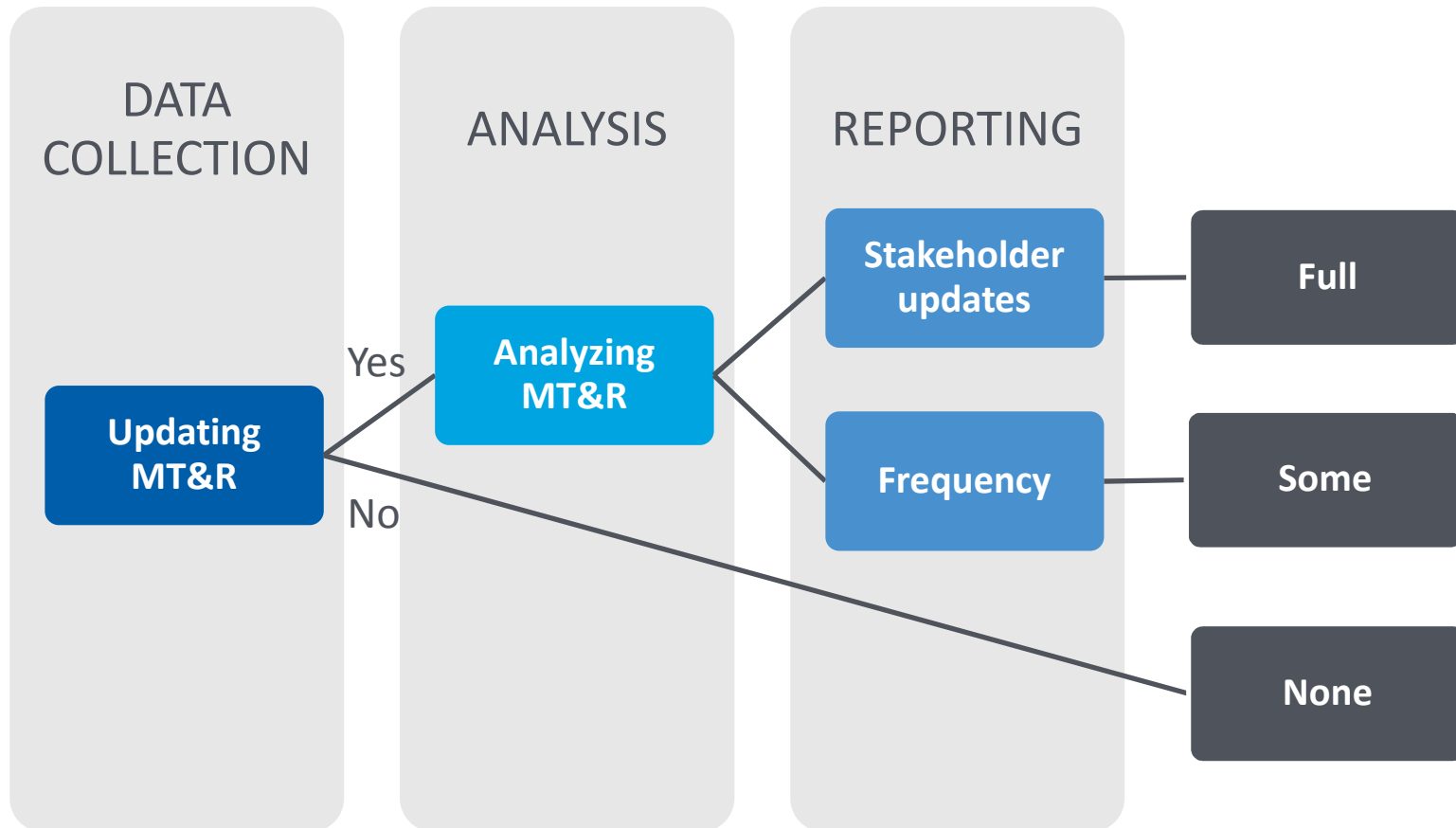
Resources



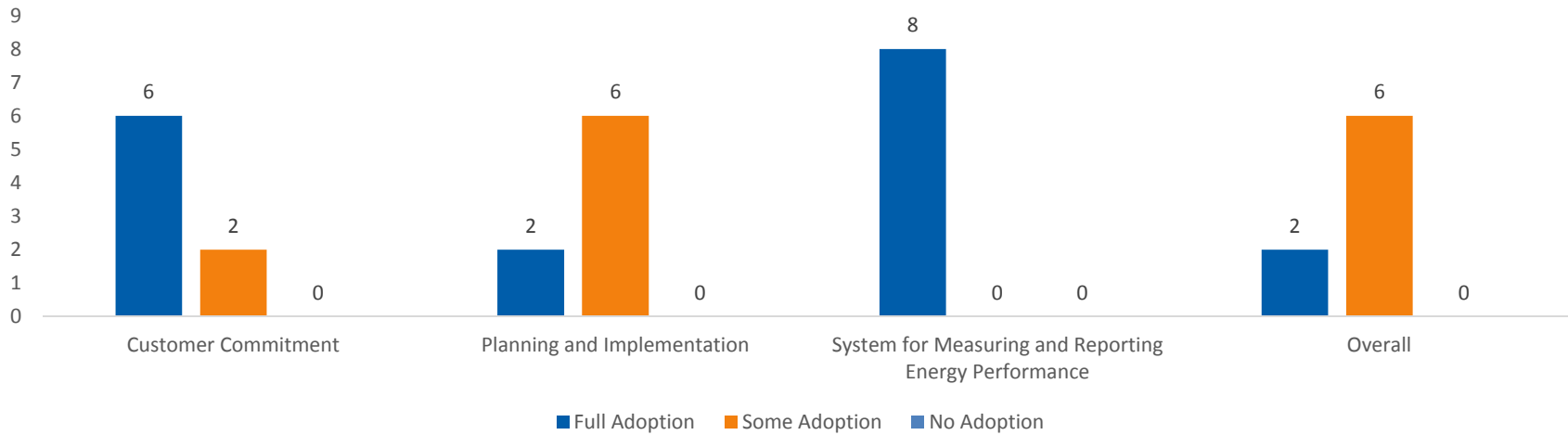
Planning and Implementation

Survey Question	Full Adoption	Some Adoption	No Adoption
Energy management assessment	Conducted	Any other combination	Never conducted
Energy map	Have an energy map		No map (or DK)
MT&R tracks progress	Yes		No
Opportunity Register	Developed		Not Developed
Engagement opportunities	Staff Outreach		No outreach
Completed project	Completed at least 1 project		No projects
Reviewed goals/updated the Opportunity Register	Yes		No

MT&R

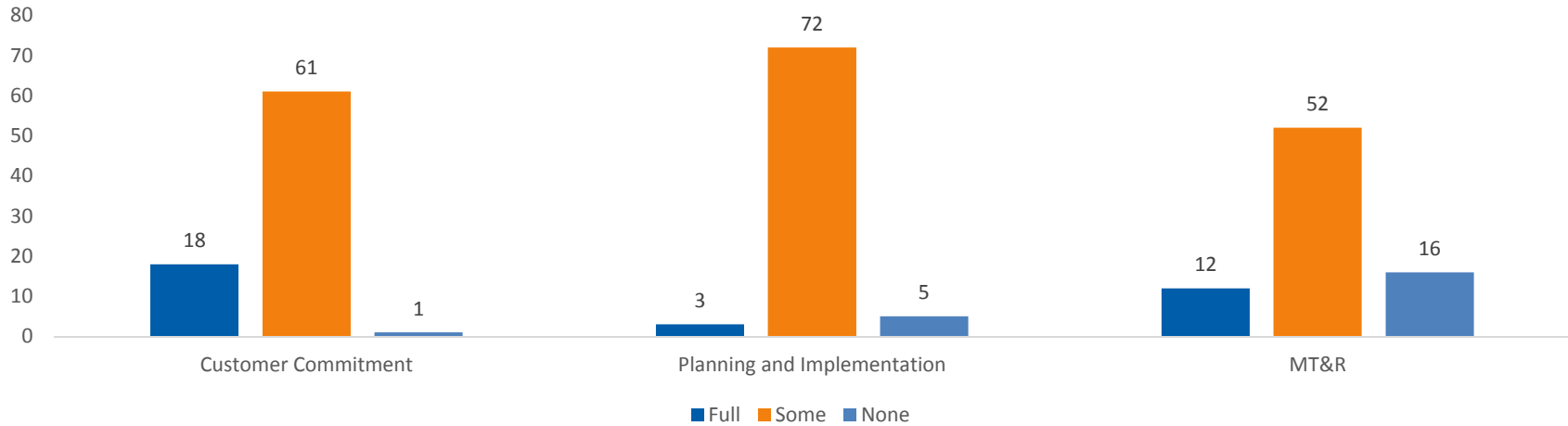


PPL Adoption Score



SEM Commitment	Customer Commitment	Planning and Implementation	MT&R	All Categories
Full	6	2	8	2
Some	2	6	0	6
None	0	0	0	0
Total # of complete projects	8	8	8	8

NEEA Adoption Score



SEM Commitment	Customer Commitment	Planning and Implementation	MT&R	All Categories
Full	18	3	12	3
Some	61	72	52	77
None	1	5	16	0
Total # of complete projects	80	80	80	80

Important Lessons

Referencing
the CEE
elements

Using the
entire toolkit

- CUSUM
- Energy manager
- Adoption

Tailoring
the survey

- Different Needs

Links

NEEA CRE Cohort Market Progress Report

http://neea.org/docs/default-source/reports/cadmus-2013-cre-sem-evaluation_final_2014-12-31.pdf?sfvrsn=4

NEEA Market Characterization and Establishing the Market Baseline for the CRE Initiative

<http://neea.org/docs/default-source/reports/market-characterization-and-establishing-the-market-baseline-for-the-commercial-real-estate-initiative.pdf?sfvrsn=5>

NEEA Industrial Facility Site Assessment

<http://neea.org/docs/default-source/reports/2014-industrial-facilities-stock-assessment-final-report.pdf?sfvrsn=10>

PPL Electric Utilities Continuous Energy Improvement – process evaluation report in progress, available in early 2016

BPA Industrial Energy Management – evaluation report in progress, available in early 2016



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