

June 5, 2022

3. Evaluation

Lisa Skumatz



1

Evaluation Administrators

2

Evaluation Roadmap

3

Study timing

4

Application of Evaluation Results

5

Overview of Current Studies

6

EA Team & Contractors

3a) Evaluation Administrators



PLAN

Evaluation
Planning
RFP & Contractors

STUDIES

Project
Development
Management &
Completion

LINK & REP

Communicate
Results
Participate in
Technical / Policy
Forums
Technical Expertise

SUP- PORT

Staff Evaluation
Committee
Meetings
Reporting
Technical Expertise

3b) Evaluation Roadmap



PLANNING
PROCURING
OVERSEEING
FINALIZING
STUDIES

INDEPENDENCE
COMMUNI-
CATIONS
& DATA
PROTOCOLS

Evaluation Study Development Steps



Evaluation Study Steps



3c) Types & Timing of Studies



IMPACT

2-5 years

PROCESS

2-3 years

NTG

On-going

MARKET

On-going

Types of Studies Coming Forward

2022-24 Evaluation Plan Project List by Evaluation Type

Evaluation Type	# of Studies	Share of Budget		#	Share of Budget
Baseline	9	23%	Residential	15	34%
Impact or Impact/Process	10	26%	Commercial	8	26%
Process	5	9%	Cross-cutting	22	40%
PSD	4	5%	Total	45	100%
Topics	17	37%			
Total	45	100%			

3d) How Evaluation Results are Applied



**PROSPECTIVE
APPLICATION**

Planning
Best Practices

**PSD
DOCUMENT**

Factors (Savings,
Baseline, NTG,
Lifetime,
Realization Rate,
NEI)

Measures
Algorithms

3e) Overview of Current Studies



Study	Res	Commercial	Cross-Cutting	Finishing
Current	<ul style="list-style-type: none"> ➤ SF Wx Assessment ➤ Low Load and All Electric New construction ➤ RNC Baseline & Code Compliance ➤ HES & IE Impact / Process / Profiling ➤ HVAC Performance & Potential ➤ Early Retirement 	<ul style="list-style-type: none"> ➤ SEM Design & Evaluation ➤ C&I Lighting Saturation & Potential ➤ Advanced Lighting Controls ➤ Retro-Commissioning Persistence ➤ ECB NTG & Baseline 	<ul style="list-style-type: none"> ➤ Education & Engagement Evaluation ➤ Demand Response Evaluation ➤ Non-energy impacts ➤ Measure Lifetimes 	<ul style="list-style-type: none"> ➤ Boiler & Furnace ISP ➤ HP / HPWH Reliability ➤ Res Measure Lifetimes ➤ Res NEIs
"Next"	<ul style="list-style-type: none"> ➤ Residential HP ➤ RNC NTG & Code Compliance ➤ Impact Oil Savings Methods 	<ul style="list-style-type: none"> ➤ BES / O&M / RCx Impact & Process ➤ Com'l HP & Electrification ➤ Ag Market & Baseline 	<ul style="list-style-type: none"> ➤ XC HP and Electrification ➤ Shift from EE to GHG Goals & Metrics at State Level 	

Evaluation Studies

4b) Evaluation / Evaluation Team





Lisa
Skumatz
Ph.D.

Lead
Residential



Ralph
Prael

Floats
R/C/Market



Robert
Wirtshafter

Residential



Dakers
Gowans

C&I



Peter
Jacobs

C&I, PSD

Evaluation Administrators

RESIDENTIAL

NMR
Guidehouse

COMMERCIAL

DNV
Michaels

**CROSS-
CUTTING**

Cadeo
Dunsky

Study	Res	Commercial	Cross-Cutting	Finishing
Current	<ul style="list-style-type: none"> ➤ SF Wx Assessment ➤ Low Load and All Electric New construction ➤ RNC Baseline & Code Compliance ➤ HES & IE Impact / Process / Profiling ➤ HVAC Performance & Potential ➤ Early Retirement 	<ul style="list-style-type: none"> ➤ SEM Design & Evaluation ➤ C&I Lighting Saturation & Potential ➤ Advanced Lighting Controls ➤ Retro-Commissioning Persistence ➤ ECB NTG & Baseline 	<ul style="list-style-type: none"> ➤ Education & Engagement Evaluation ➤ Demand Response Evaluation ➤ Non-energy impacts ➤ Measure Lifetimes 	<ul style="list-style-type: none"> ➤ Boiler & Furnace ISP ➤ HP / HPWH Reliability ➤ Res Measure Lifetimes ➤ Res NEIs
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Evaluation Studies



Questions

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Thank you

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