

MA BASELINE REPOSITORY

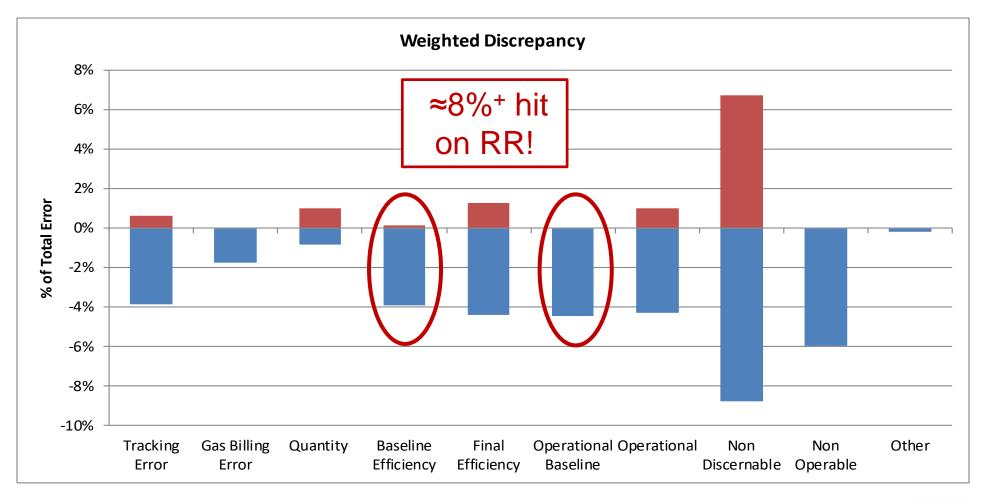
Why Didn't You Tell Me Earlier? A New Way for Evaluation to Inform Implementation Before Project Approval 8/20/19

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SWITCHING THE BASELINE STINKS!

When a baseline is overturned by evaluation, savings can get slashed



It can happen years later and significantly impact RRs





INTRODUCTION AND BACKGROUND

To minimize the dreaded surprise switch...







GOAL OF THE REPOSITORY

Bring some stability to the baseline selection process Intended to serve as a custom measure reference, similar to TRM but strictly for measure baselines

2

Compile existing resources into a repository to be leveraged by evaluators and implementers for decisions about baselines



Enable users to manage baseline risk from project development all the way to evaluation





DEVELOPMENT PROCESS



CREATE

Generate measure list

- Mass Save baseline doc
- Measures with completed research
- Evaluation measures

RESEARCH

Perform secondary research

- E-Source
- Pacific Northwest RTF
- CA DEER and work papers

RECOMMEND

Measure baselines & confidence levels

 Reviewed by ISP Working Group

RESULTS

140 measures researched

- Evaluator-vetted list (30)
- In-progress list (110)







VETTED VS. IN-PROGRESS



Baseline risk mitigation



Measures characterized into three risk categories



Low risk measures considered fully "vetted"



High and medium risk measures considered "in-progress"



EXAMPLE OF A VETTED MEASURE

	FIELD	EXAMPLE CONTENTS
	Measure group	HVAC – equipment type
	Measure name	IR Heaters
	Baseline relative to code	Not addressed by code
Ē	Baseline type	New construction and replace on failure
ETT	Evaluation baseline description	Baseline efficiency of 82%
	Next revision	7/7/2023
\frown	Study date	7/7/2018
\bigotimes	Notes	IR ISP research conducted through evaluation efforts in 2018

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EXAMPLE IN-PROGRESS MEASURE

IE,PE

	FIELD	EXAMPLE CONTENTS
	Measure group	Wastewater process
	Measure name	Wastewater treatment – agitators
	Baseline relative to code	Not addressed by code
	MassSave MA Baseline	Use aeration to retain suspension of solids in mix-limited designs
	ISP Status	Measure recommended for primary ISP
	Baseline type	N/A
	Evaluation baseline description	Site-specific baseline, additional ISP research needed
	Confidence level	Low (High risk)
2	Next revision	N/A
	Study date	N/A
	Notes	May be referenced in TR-16. Good candidate for evaluation a/o ISP research if not referenced. Baseline info from NY is available, but dated.

WHEN MIGHT A BASELINE BE OVERTURNED IN AN EX-POST EVALUATION?

It can happen, but it should be a very low probability if the repository is maintained appropriately.

Increased program activity triggers primary research

If a small measure becomes a larger contributor to program savings, this may trigger additional research, which may reveal a different baseline.

Market shifts

Widespread technology adoption or availability may cause a technology to be more common, changing ISP.

Something site specific

Site-specific considerations that are not standard to the industry and may cause variation from the standard baseline.







USE OF THIS TOOL



A starting point for lost opportunity measures for implementers and evaluators.

2

A reference tool to compare implementation baseline to current repository status.



If implementers do not use the baseline, it's recommended to document and rationalize why ISP may not apply.



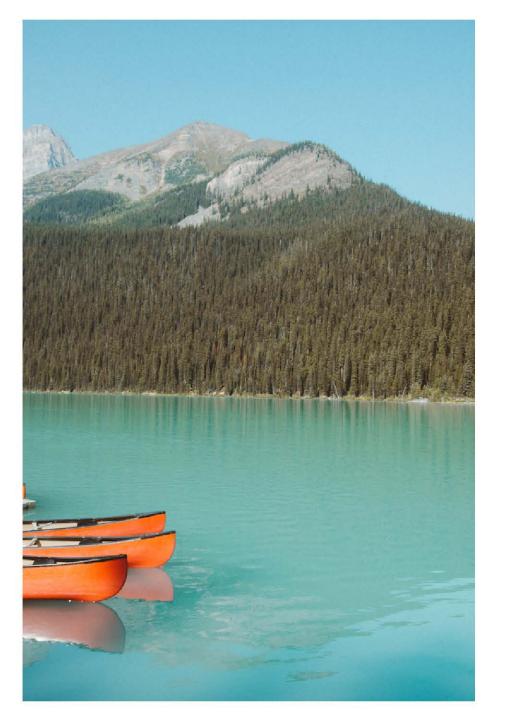
IMPLEMENTING A REPOSITORY

Following these steps can help improve RR through a reduction in baseline adjustments









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