From before to BECAR: How comprehensive reviews improve a portfolio

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Biennial Electric Conservation Achievement Review
(...or as its friends call it, BECAR)

- Our task: “Determine the veracity of total portfolio electric energy savings reported by Puget Sound Energy…”
- What does this mean?
Puget Sound Energy’s EE portfolio

- ~$100M annual budget
- 21 major program areas
- Comprehensive
- Mature + innovative offerings
The players
- Puget Sound Energy
- Washington Utilities & Transportation Commission
- CRAG (stakeholders)
- Independent reviewer

WA Energy Independence Act
- All achievable and cost-effective savings
- Two-year targets
- Independent portfolio review
Develop review work plan for coming biennium

Review first year elements

Detail review of selected additional elements

Review second year elements

Synthesize review results for biennium

Suggest approaches for next review

Three rounds

- **Portfolio savings**
  - database checks
  - unit energy savings value reviews
  - on-site verification, future improvements in saving estimation

- **EM&V practices**
  - tracking and reporting
  - measure installation verification
  - evaluation planning and feedback
  - recommendation response review

- **Cost-effectiveness**
  - + avoided costs
BECAR a success!

- Outcomes:
  - Collaborative relationships
  - Increased confidence in savings, processes and assumptions
  - Forward-looking improvements
- Additional tool to augment EM&V, QA
- Needed:
  - Frequent communication
  - Sufficient resources
In conclusion…

- A comprehensive review process (like BECAR) can assure
  - Regulators
  - Stakeholders
  - Utility managers

of the performance and quality of a conservation program portfolio