



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)

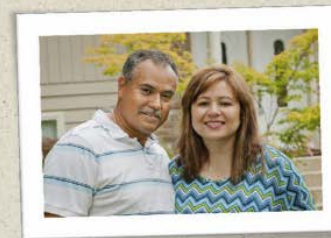
- Our task: “Determine the **veracity** of total portfolio electric energy savings reported by Puget Sound Energy...”
- What does this mean?

■ Puget Sound Energy's EE portfolio

- ~\$100M annual budget
- 21 major program areas
- Comprehensive
- Mature + innovative offerings

Energy Efficiency

2014 Annual Report of
Energy Conservation
Accomplishments



Volume 1:

- Annual Report
- Exhibit 1: 2014 Savings & Expenditures
- Exhibit 2: Cost-Effectiveness
- Exhibit 5: Measure Data
- Exhibit 9: Condition Compliance



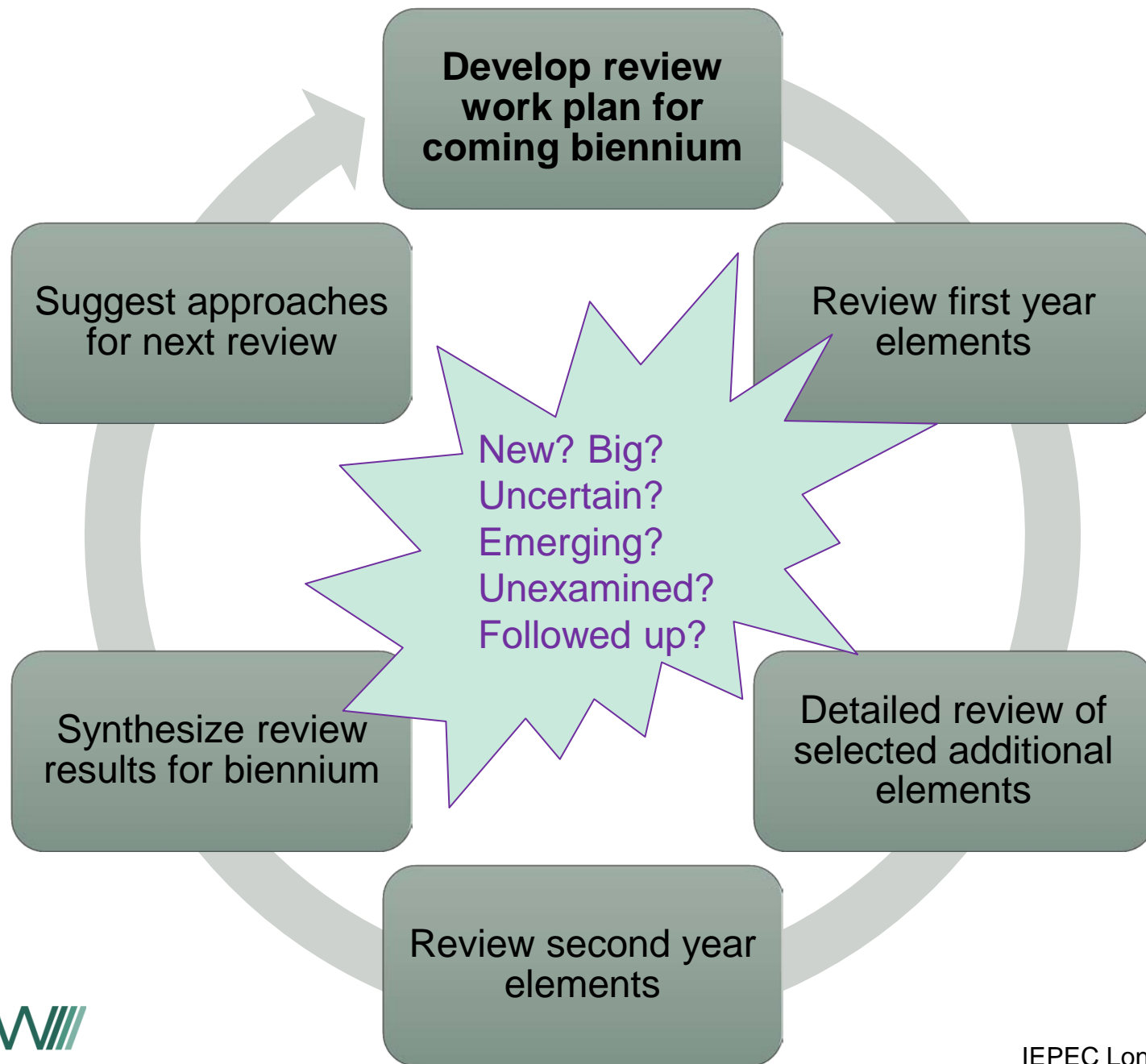


■ The players

- 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



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