# PRCI STRATEGIC RESEARCH PRIORITY UPDATE

## Mechanical Damage SRP II

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# Mechanical Damage SRP II

**IMPORTANT**

**SRP Goal**

Improve dent assessment guidance and acceptance criteria by addressing gaps identified by the industry.

**NECESSARY**

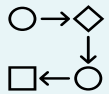
**Gap(s) to solve**

- Defining validated ranges of applicability for the various assessment methods
- Address gaps in available guidance
- Safe Excavation guidance

## Alignment to PRCI research objectives (proposed)



INTEGRITY ✓



EFFICIENCY ✓



SUSTAINABILITY



TECHNOLOGY ✓



WORKFORCE



SHARING ✓

# MECHANICAL DAMAGE SRP II PROJECTS

| TOTAL BUDGET | UNDER CONTRACT | PENDING PROJECTS | CANCELLED |
|---|---|---|---|
| $766.8K | 3 progressing now | 2 2027–2028 ballots | 1 |

| PROJECT | TITLE | BUDGET | 2026 | 2027 | 2028 | STATUS |
|---|---|---|---|---|---|---|
| FFS-05-01 | Burst Pressure / Fatigue Life for dents interacting with corrosion | $236.8K | ✓ | ✓ | | IN PROGRESS |
| FFS-05-03 | Guidance on limits of applicability for mechanical damage screening methods | $175.0K | ✓ | ✓ | ✓ | IN PROGRESS |
| FFS-05-04 | Criteria for dents that are multi-peak or in close proximity | $175.0K | ✓ | ✓ | | IN PROGRESS |
| 3875 | Safe excavation pressure calculation for dents with secondary features | $80.0K | | ✓ | | 2027 BALLOT |
| 3887 | Mechanical Damage Deep Dive Compendium | $100.0K | | | ✓ | 2028 BALLOT |
| FFS-05-02 | Validation of dent strain / damage parameters and acceptance criteria | — | | | | CANCELLED |