Continuous Review Cycle – projects can be proposed, reviewed, and approved to start at any time during the FY.

Streamlined project initiation & reviews to reduce FTE overhead, increase SME and executive sponsor engagement, and align with agency goals.

Transparency of Project Funding – monthly reporting of financial health; High value to cost ratio

Value to Ratepayers

Sharing costs to increase value

• Collaboratively participate in projects that are aligned with the BPA Strategic Plan and have the potential to improve operations, solve challenges, increase efficiencies and avoid costs.

• Efficient leverage of resources

The BPA Research Agenda

Centralized Research, Development and Demonstration (RD&D)

• TI engages with organizations throughout the Agency to develop Research Priorities that identify critical technology needs. Together with Research Principles, they set the parameters of the BPA Research Agenda and guide the project selection process.

Developing New Projects

Business Line Driven – projects are championed by engaged business line SME, vetted for benefit to BPA, and executive sponsor approved.

Continuous Review Cycle – projects can be proposed, reviewed, and approved to start at any time during the FY.

Streamlined project initiation & reviews to reduce FTE overhead, increase SME and executive sponsor engagement, and align with agency goals.

Transparency of Project Funding – monthly reporting of financial health; High value to cost ratio

Approach to Technology Transfer

A clear path to application

Project Initiation

Clearly defined value and articulated benefit to BPA or customers and stakeholders

Project Administration

Active management of deliverables, project updates, and stakeholder engagement

Project Application

Ensuring project deliverables are operationalized
Research Principles

- Establish clear alignment to Agency or Business Line strategic objectives
- Clear sponsorship within the Agency
- Maximize Value-to-Cost ratio by seeking partnerships and collaborations where appropriate
- Clear path to implementation or value delivery
- Avoid primary research unless driven by business need
## Research Priorities

### Hydro Assets
- Hydropower Fish Screen Impacts
- Hydropower Environmental Acceptable Lubricants (EALs)
- Hydropower modeling, testing & monitoring turbine fish passage performance
- Hydropower oil-free Kaplan turbine technology development & confirmation
- Hydropower machine condition monitoring & condition assessment
- Hydropower Cavitation Damage Repair

### IT, Comm, Cyber
- Operational Technology - Threat Detection

### Transmission
- Geomagnetic Disruptions
- Seismic - Tower Fragility/Conductor Configurations
- Seismic - Tower Placement
- Transmission Probabilistic Planning
- Transmission Real-time Modeling
- Transmission Situational Awareness - Wildfire
- Artificial Intelligence - warn/alert/advise
Submission milestones

**Proposal Intake Form**
Identifies Research goals, how it applies to the Research Priorities and expected In-Kind contributions.

**Rating & Analysis**
Proposal is rated against BPA Research Agenda criteria and analyzed by TI Staff and Subject Matter Experts.

**Opportunity Announcement**
TI external webpage has the Research Priorities document as well as the forms and instructions for submitting a proposal.

**Executive Decision**
Senior Executives review proposal, business case, ratings and analysis.

**Business Case/MOA**
TI helps develop the Business Case for Internal and External proposals. MOA is developed for External proposals.

**Approved Project**
Is added to the TI Portfolio