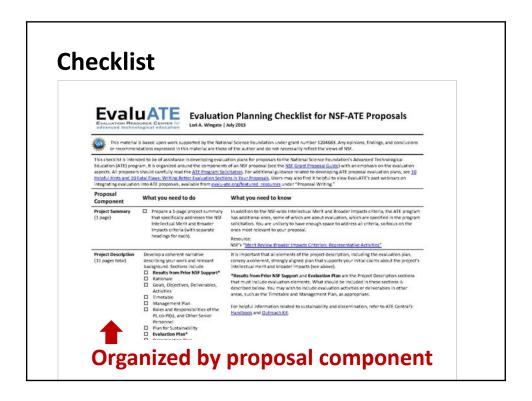


Objectives

By the end of the webinar, you will

- 1. Know what evaluative elements should be included in a proposal and where
- 2. Understand how evaluation can be leveraged to strengthen a proposal

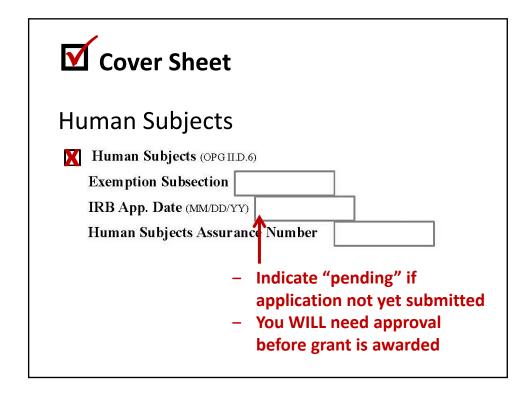




ATE Proposal Components

- **™** Cover Sheet
- Project Summary
- Project Description
- ▼ References Cited
- **M** Biographical Sketches
- Budget and Budget
 Justification
- ☐ Current and Pending Support
- ☐ Facilities, Equipment and Other Resources
- Supplementary Documents

Evaluation-related information is needed in these sections



ATE Proposal Components

☑ Cover Sheet

™ Project Summary

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1-page:

- Overview
- Intellectual Merit
- Broader Impacts

PROJECT SUMMARY: EvaluATE

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Intellectual Merit.

and an interference of the control o

Broader Impacts,

Fixeds, ATE operators are available to the public and there is excluded in this proposal to hand on the ATE program. EvaluaTEs friedings from the and there is evaluate that was established. All of understanding the states of the same of section of the area of a ATE grammer and the same of section of the area of the same of section of the area of the ar

Merit Review Criteria

Intellectual Merit



potential to advance knowledge

Broader Impacts



potential to benefit society

Project Summary

ATE-Specific Merit Review Criteria:

- Is the evaluation plan clearly tied to the project outcomes?
- Does the project provide for effective assessment of student learning?
- Is the evaluation likely to provide useful information to the project and others?
- Will the project evaluation inform others through the communication of results?

PROJECT SUMMARY: EvaluATE Overview.

Intellectual Merit.

Broader Impacts,

ATE Proposal Components Cover Sheet Project Summary Project Description References Cited Biographical Sketches Budget and Budget Justification Current and Pending Support Facilities, Equipment and Other Resources

Project Description

Results of Prior Support

Rationale

☐ Supplementary Documents

Goals, Objectives, Deliverables, Activities

Timetable

Management Plan

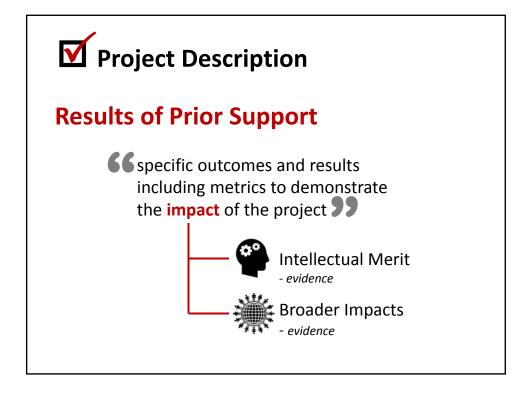
Roles and Responsibilities of the PI,

co-PI(s), and Other Senior Personnel

Plan for Sustainability

Evaluation Plan

Dissemination Plan



The prior project achieved all of its goals. The PI and co-PIs published four peerreviewed articles based on data generated by the project. The project developed three lab manuals, provided 40 faculty with professional development, and served 125 students. The project supported internships for 75 students, more than half of whom secured full-time positions at their internship sites.

Project Description

Results of Prior Support

Rationale
Goals, Objectives, Deliverables, Activities
Timetable
Management Plan
Roles and Responsibilities of the PI,
co-PI(s), and Other Senior Personnel
Plan for Sustainability

Evaluation Plan



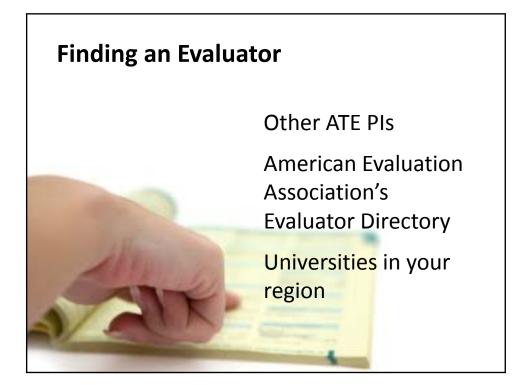


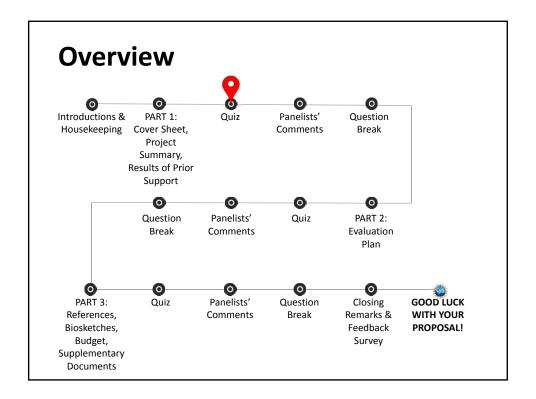
Evaluation Plan (1-3 pages of your 15-page project description)

- Identify evaluator and briefly describe his/her experience/expertise
- Describe what will be evaluated and how

ATE Program Solicitation

The funds to support an evaluator independent of the project or center must be requested... 99







Quiz – Use your markers

HSIRB approval may be submitted to NSF at any time, as long it is before any data are collected from human subjects.

TRUE

FALSE



Quiz – Use your markers

The most important thing to do in a Results of Prior Support section is indicate how many people your project served.

AGREE DISAGREE



Quiz – Use your markers

NSF maintains a directory of approved evaluators on its website.

TRUE

FALSE









Evaluation Plan (1-3 pages of your 15-page project description)

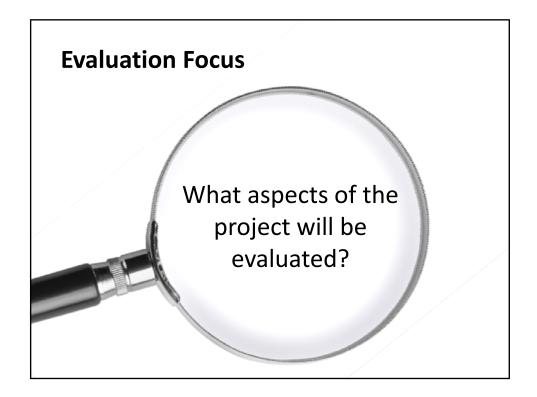
- Identify evaluator and briefly describe his/her experience/expertise
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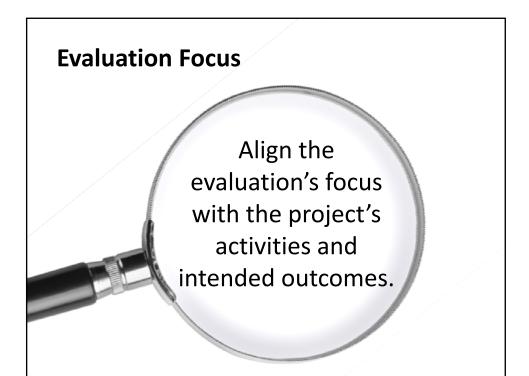


Project Description

Evaluation Plan

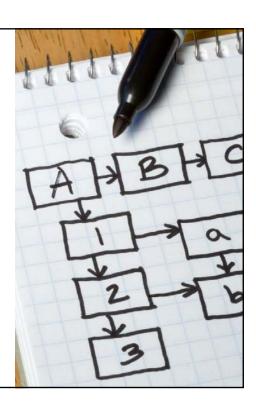
- Evaluation focus
- Data collection plan
- Analysis and interpretation
- Reporting schedule and projected uses

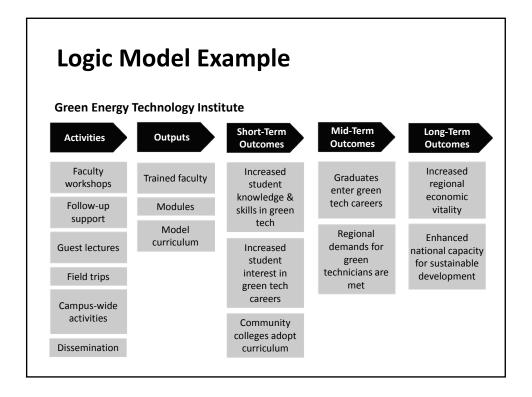


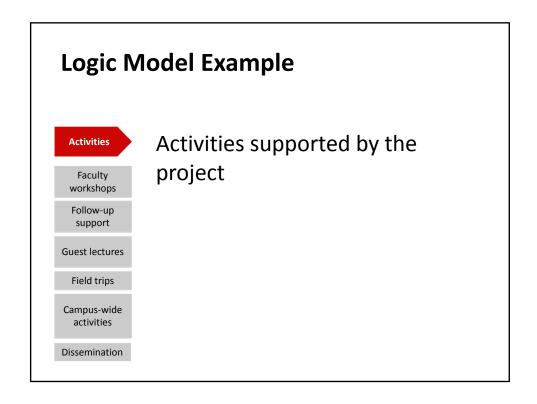


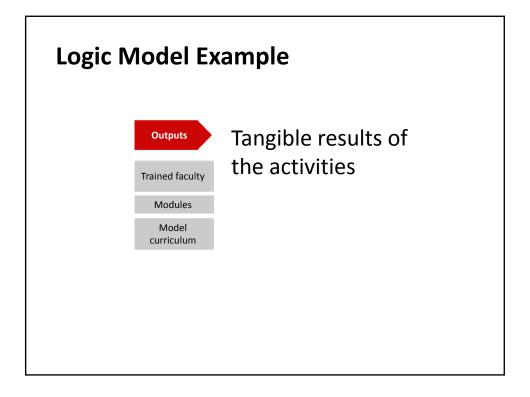
Logic Model

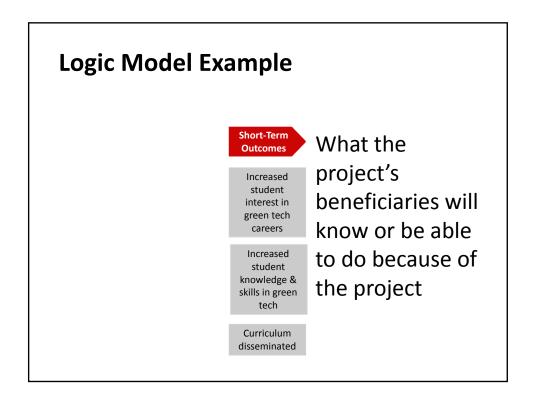
Helpful for project and evaluation planning











Logic Model Example

What people will do differently because of the project

Mid-Term Outcomes

Graduates enter green tech careers

Regional demands for green technicians are met

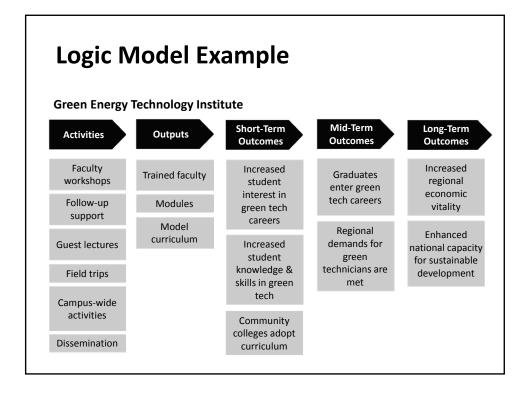
Community colleges adopt curriculum

Logic Model Example

Long-term project goals that align with the ATE program's goals Long-Term Outcomes

Increased regional economic vitality

Enhanced national capacity for sustainable development



Logic Model + Generic Evaluation Questions

Activities Outputs

Whom did you reach? (who, how many)

What were participants' reactions to the activities?

What is the quality/utility of the activities and products?

Logic Model + Generic Evaluation Questions



How did the activities affect participants' knowledge, skills, abilities, or attitudes?

Logic Model + Generic Evaluation Questions



To what extent and how did participants change their behavior because of what they learned?

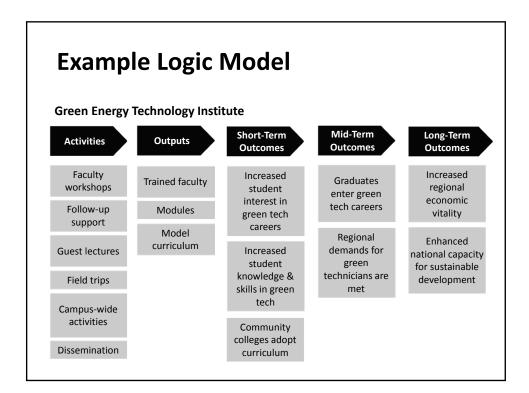
Logic Model + Generic Evaluation Questions

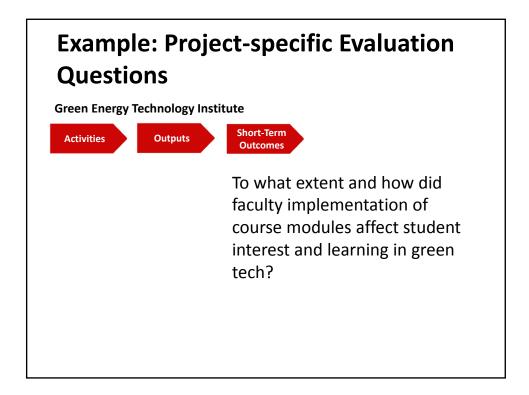
Long-Term Outcomes

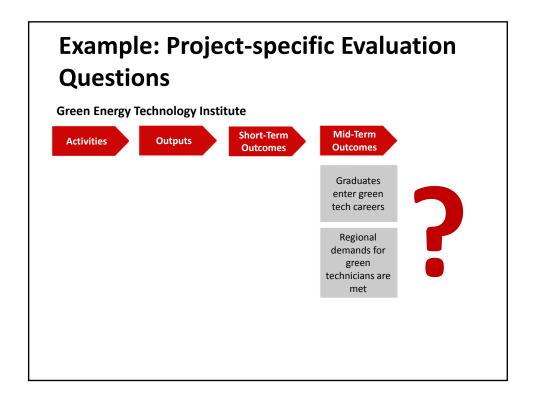
What is the cumulative effect of the project's outcomes?

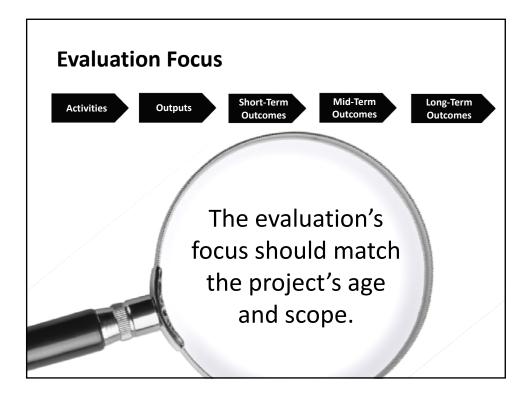
What aspects of the project are sustainable?

What was transformative about the project?





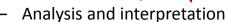






Evaluation Plan

- Evaluation focus
- Data collection plan



Reporting schedule and projected uses

Data Collection Plan

What information do you need?

How will you collect it?

From whom?

When?



Data Collection Plan: Example 1

...The evaluation will utilize an accepted mixed-methods design (Cook & Campbell, 1979).

Quantitative and qualitative measures of performance will be used in both a formative and summative manner to gauge the merit and worth of the grant initiative. This mixed-methods approach has proven useful in utilizing both quantitative and qualitative performance indicators in a single research design (Frechtling & Sharp, 1997). It is also consistent with the best practices and recommendations for rigorous scientifically-based research....

Data Collection Plan: Example 1

WHAT? HOW? WHO? WHEN?

...The evaluation <u>vill utilize an accep</u> mixedk & Campbell methods desig Quantitative and tative mea performance will ed in bo ormative and nerit and worth summative manner auge of the grant initiative d-methods approach has proven n utilizing both quantitative and qu performance indicators in a si design (Frechtling & Sharp, 199 tent with the best s also co practic recommenda for rigorous mly-based research.

Data Collection Plan: Example 2

WHAT? HOW? WHO? WHEN? Project staff will administer an end-of-workshop survey to obtain participants' feedback, including both ratings and open-ended comments. The external evaluator will conduct interviews with participants six months following the workshop to determine the extent to which they applied the workshop content. She also will interview a random sample of students at the end of each semester to learn how their knowledge and perceptions of green energy technology were impacted.

Data Collection Plan: Example 2

WHAT?

Project staff will administer an end-of-workshop survey to obtain participants' feedback, including both ratings and open-ended comments. The external evaluator will conduct interviews with participants six months following the workshop to determine the extent to which they applied the workshop content. She also will interview a random sample of students at the end of each semester to learn how their knowledge and perceptions of green energy technology were impacted.

Data Collection Plan: Example 2

HOW?

Project staff will administer an end-of-workshop survey to obtain participants' feedback, including both ratings and open-ended comments. The external evaluator will conduct interviews with participants six months following the workshop to determine the extent to which they applied the workshop content. She also will interview a random sample of students at the end of each semester to learn how their knowledge and perceptions of green energy technology were impacted.

Data Collection Plan: Example 2

WHO?

Project staff will administer an end-of-workshop survey to obtain participants' feedback, including both ratings and open-ended comments. The external evaluator will conduct interviews with participants six months following the workshop to determine the extent to which they applied the workshop content. She also will interview a random sample of students at the end of each semester to learn how their knowledge and perceptions of green energy technology were impacted.

Data Collection Plan: Example 2

WHEN?

Project staff will administer an end-of-workshop survey to obtain participants' feedback, including both ratings and open-ended comments. The external evaluator will conduct interviews with participants six months following the workshop to determine the extent to which they applied the workshop content. She also will interview a random sample of students at the end of each semester to learn how their knowledge and perceptions of green energy technology were impacted.

Data Collection Plan Example					
Goal	Evaluation	What Indicator	How Measure/	Who Data Source	When
Students' interest in green tech careers increases	Question To what extent did students' interest in green tech careers increase because of the project?	Change in course enrollment numbers	Method Review of institutional & departmental records	Project personnel	End of each semester
		Students' intent to pursue green tech job	In-class survey in retrospect- ive pre-post format	Students in technician ed courses	End of each semester
		Opinions of faculty and career center staff	Interviews	Sample of faculty/staff	Annually
		Number/ quality of employment interviews	Interviews	On-campus recruiters	Each visit

Tips for Practical Data Collection

- Build a body of evidence
 - Multiple data sources
 - Qualitative and quantitative data
- Embed data collection into regular project activities
- Use existing data whenever possible
- Use existing instruments when/if they match your needs



Project Description

Evaluation Plan

- Evaluation focus
- Data collection plan
- Analysis and interpretation
- Reporting schedule and projected uses

Analysis and Interpretation

How will you make sense of the data?

What sorts of comparisons will be made?

What counts as "success"?



Analysis and Interpretation

Analysis

Organizing, transforming, and describing data



Analysis and Interpretation

Interpretation

Making sense of analyzed data so that conclusions can be made about a project's quality, progress, and/or impact



Project Description

Evaluation Plan

- Evaluation focus
- Data collection plan
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- Reporting schedule and projected uses

Reporting and Projected Uses



ATE-Specific INTELLECTUAL MERIT and BROADER IMPACTS Criteria:

- Is the evaluation likely to provide useful information to the project and others?
- Will the project evaluation inform others through the communication of results?

Reporting and Projected Uses

When and what types of reports will be issued?

How will results be shared?



Reporting and Projected Uses

Information from the evaluation will be needed for

- annual reports to NSF
- annual survey of ATE grantees
- reports to advisory groups



To learn more about aligning evaluation plans to types of projects, see the Common Guidelines for Education Research and Development



Project Description

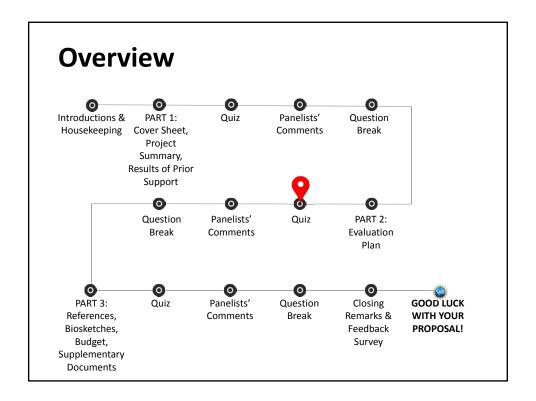
Results of Prior Support
Rationale
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Management Plan
Roles and Responsibilities of the PI,
co-PI(s), and Other Senior Personnel

Plan for Sustainability
Evaluation Plan

Dissemination Plan



Check out ATE Central's presentation on social media, dissemination, sustainability, and data management plans at www.evalu-ate.org/events





Quiz Time – Use your markers

Evaluation reports are submitted to NSF only at the end of a grant.

TRUE FALSE



Quiz Time – Use your markers

Logic models are optional for ATE proposals.

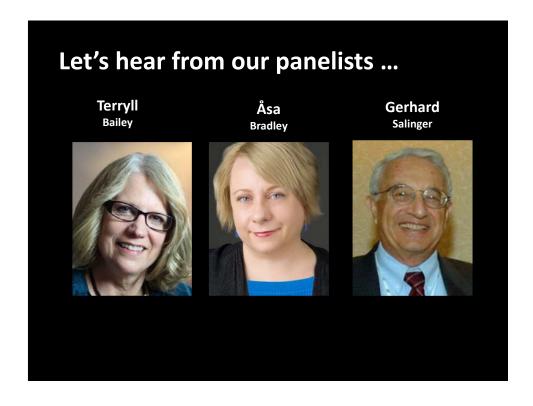
TRUE FALSE



Quiz Time – Use your markers

Mixed methods evaluation studies are recommended only for large-scale projects.

TRUE FALSE







ATE Proposal Components

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- ☐ Supplementary Documents

M References Cited

Include references to pertinent evaluation literature in your evaluation plan section

References

- Bartlett, K. R., Schleif, N., & Bowen, M. M. (in press). The use of workforce assessment career and technical education program evaluation. Career and Technical Educa
- Frechtling, J. (2010). The 2010 user-friendly guide for project evaluation. Retrieved Sepwww.westat.com/Westat/pdf/projects/2010UFHB.pdf
- GOH Consulting, (2006). ATE (center) evaluation data inventory results. Unpublished
- Gullickson, A. M. (2010). Mainstreaming evaluation: Four case studies of systematic eva organizational culture and practices (Doctoral dissertation, Western Michigan Un September 14, 2011 from http://search.proquest.com/docview/848628829/abstr.
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- Phillips, P. P., & Phillips, J. J. (2007). The value of learning: How organizations capture translate them into support improvement, and funds. San Francisco: Pfeiffer.

ATE Proposal Components

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- ☐ Supplementary Documents

M Biographical Sketches

Get one for your evaluator Follow 2-page NSF format Include in **Supplementary Documents Section**

Lori A. Wingate

(a) Professional Preparation

Truman State University	Sociology	B.A.	1990
Loyola University Chicago	Sociology	M.A.	1993
Western Michigan University	Evaluation	Ph.D.	2009

(b) Appointments

2010-present	Assistant Director, The Evaluation Center, Western Michigan University	
2010 Principal Research Associate, The Evaluation Center, Western Mich		
2008-10	Senior Research Associate, The Evaluation Center, Western Michigan Unive	
1997-08	Assistant to the Director, The Evaluation Center, Western Michigan Univer-	
1993-97	Coordinator, Judicial Development Project, Loyola University Chicago	

(c) Publications

Wingate, L. A. (2010). Metaevaluation: Purpose, prescription, and practice. In E. Baker, P. Peter. McGaw (Eds.), International encyclopedia of education (3rd ed.). San Diego: Elsevier.

Stufflebeam, D. L., & Wingate, L. A. (2005). A self-assessment procedure for use in evaluation train. American Journal of Evaluation, 26(4), 544-561.

Wingate, L. A. (2003). Facilitator's guide to the student evaluation standards. Thousand Oaks, C. Press and ETS Educational Policy Leadership Institute.

Kellaghan, T., & Stufflebeam, D. L. (Eds.), & Wingate, L. A. (Asst. Ed.). (2003). International has educational evaluation. Dordrecht, The Netherlands: Kluwer.

Kellaghan, T., & Stufflebeam, D. L., & Wingate, L. A. (2003). Introduction. International handle educational evaluation. Dordrecht, The Netherlands: Kluwer.

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- ☐ Current and Pending Support
- ☐ Facilities, Equipment and Other Resources
- ☐ Supplementary Documents

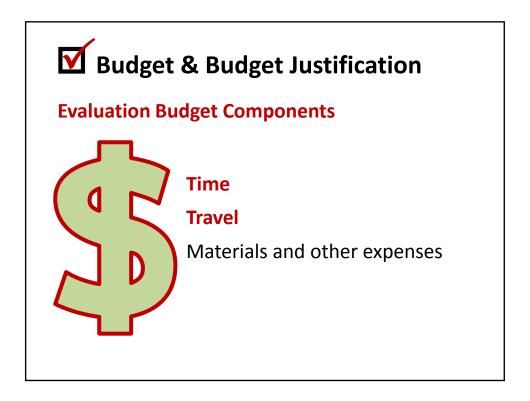
☑ Budget and Budget Justification

The **funds** to support an evaluator independent of the project or center must be requested and the requested funds **must match the scope** of the proposed evaluative activities.

Budgeting for Evaluation

rule of thumb

Budgeting for Evaluation reality



Time

How many days does the evaluator need to spend in order to generate the needed evaluation deliverables and services?

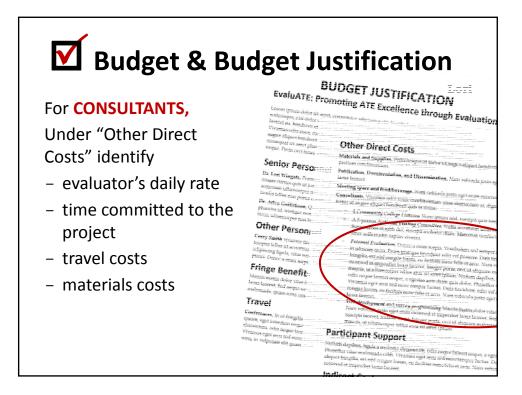


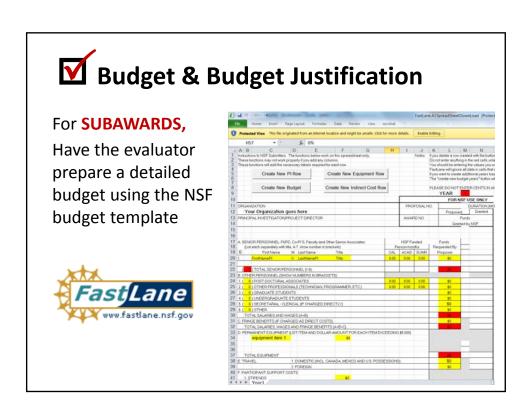
Travel

Will the evaluator need to travel to

- attend the ATE PI conference, advisory committee meetings, or special project events?
- collect data from participants?
- meet with project staff to plan the evaluation or discuss results?







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- ☐ Current and Pending Support
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Supplementary Documents

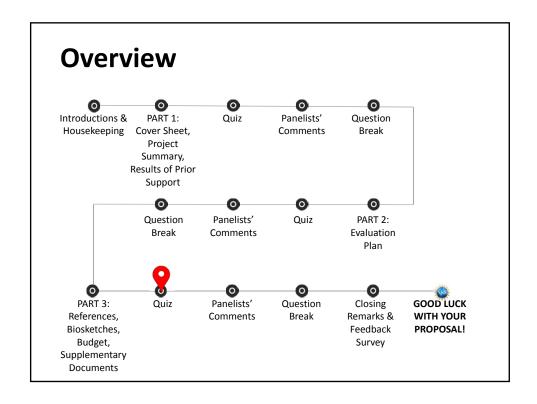
- A commitment letter from your evaluator
- Your evaluator's biosketch
- Data Management Plan (REQUIRED)

Supplementary Documents

Data Management Plans must describe:

- 1. Types of data
- 2. Data format and content standards
- 3. Access and sharing policies
- 4. Privacy, confidentiality provisions
- 5. Reuse and redistribution policies
- 6. Archiving and data preservation plans







Quiz Time – Use your markers

ATE projects are required to dedicate at least 8 percent of their budgets to evaluation.

TRUE FALSE



Quiz Time – Use your markers

The evaluation budget may be reported either as a lump sum or broken down by cost category.

TRUE FALSE



Quiz Time – Use your markers

A letter from the evaluator is necessary to show his/her commitment to work on the project if funded.

TRUE FALSE









Thank You!

