

Support Services for the
WATER FUNDING TASK FORCE

August 28, 2013



Topics for this session
Categories and Criteria



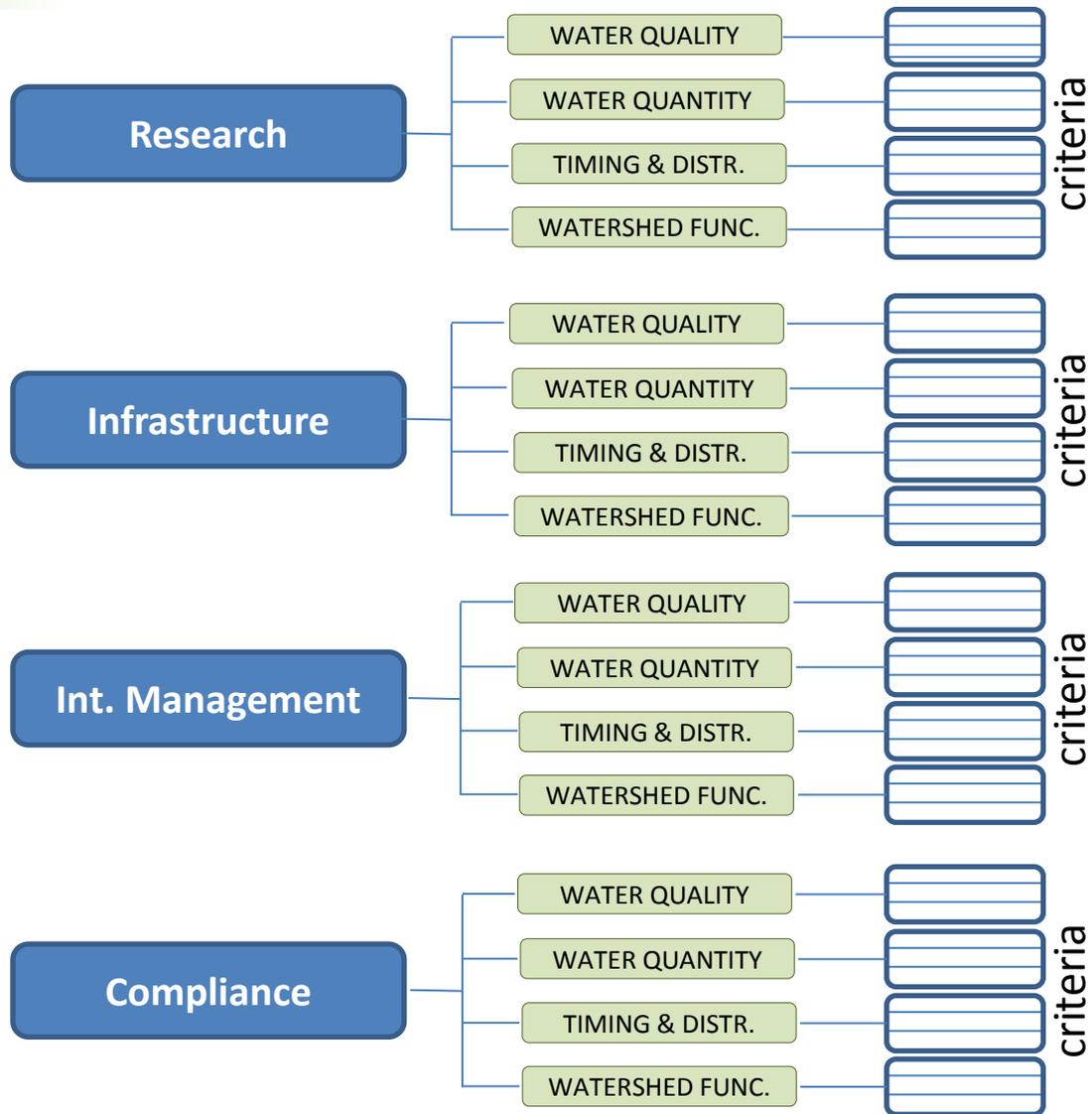
Initial Red Green Chart

Ranking Criteria	Projects, Programs and Activities				LB517
	Research	Infrastructure	Integrated Management	Compliance	
<i>The extent to which the PPA contributes to multiple water supply management goals, including, but not limited to flood control; municipal uses, agricultural uses; recreational benefits; wildlife habitat; conservation of water resources, and preservation of water resources for future generations.</i>	Research tends to be fairly well focused. Most of the proposed research relates to agricultural activities such as higher yield crops or lower water use.	This seems to be the best fit for infrastructure projects and specifically multi-use projects.	IM projects fit this criteria very well.	Projects are very likely to have multiple benefits that meet these other goals.	vii
<i>The extent to which the PPA provides increased water productivity and otherwise maximizes the beneficial use of Nebraska's water resources</i>	If that is the purpose of the particular research, it would fit well.	Infrastructure development/improvements could lead to large uses or incremental improvements	IM projects fit this criteria very well.	Compliance development/improvements could lead to large uses or incremental improvements	i
<i>The cost effectiveness of the PPA in meeting the state's water management goals</i>	The cost effectiveness would be a function of the long-term results of the research and not likely available for a long time.	Traditional cost-effectiveness analyses are usually easily performed up front for the design life of the project.	The cost effectiveness of IM projects can be increasingly difficult as their benefit to larger aquifer systems is proposed. The more complex the aquifer system, the harder the effect is to model/monitor.	Traditional cost-effectiveness analyses are usually easily performed up front for the design life of the project. However, the value of the tradeoff is subject to scrutiny.	v
<i>The extent to which the PPA assists the state in meeting its obligations under interstate compacts or decrees or other formal contracts or agreements</i>	While the benefits of the research may be years off, again the purpose could fit this well.	This is easily computed for some obligations such as stream flows, etc. and moderately easily computed for environmental, etc. obligations	IM projects fit this criteria very well.	Redundant	ii
<i>The extent to which the PPA promotes objectives described in the Annual Report and Plan of Work for the Nebraska State Water Planning and Review Process issued by DNR</i>	Research seems to tie in generally well with the data gathering goals for the State.	This is easily computed for some obligations such as stream flows, etc. and moderately easily computed for environmental, etc. obligations	This can be easily determined since IM projects are listed specifically by river basin.	While not directly listed as a goal, they are related.	iii
<i>The extent to which the PPA contributes to the state's water management goals</i>	The suitability with the State's goals would be a function of the long-term results of the research and not likely available for a long time.	The suitability with the State's goals would be fairly readily computed.	IM projects fit this criteria very well.	There should be a correlation here.	vi?
<i>The extent to which the PPA has been approved for funding through an established state program</i>	Does not seem to fit w/ traditional state programs.	Infrastructure projects often utilize some of the traditional state programs and therefore, this would be easily analyzed.	IM project have not traditionally fit under state programs. The approach is new and therefore, established programs do not exist.	Not traditionally linked in the past, but may in the future.	iv

Red Green Chart - Version 2

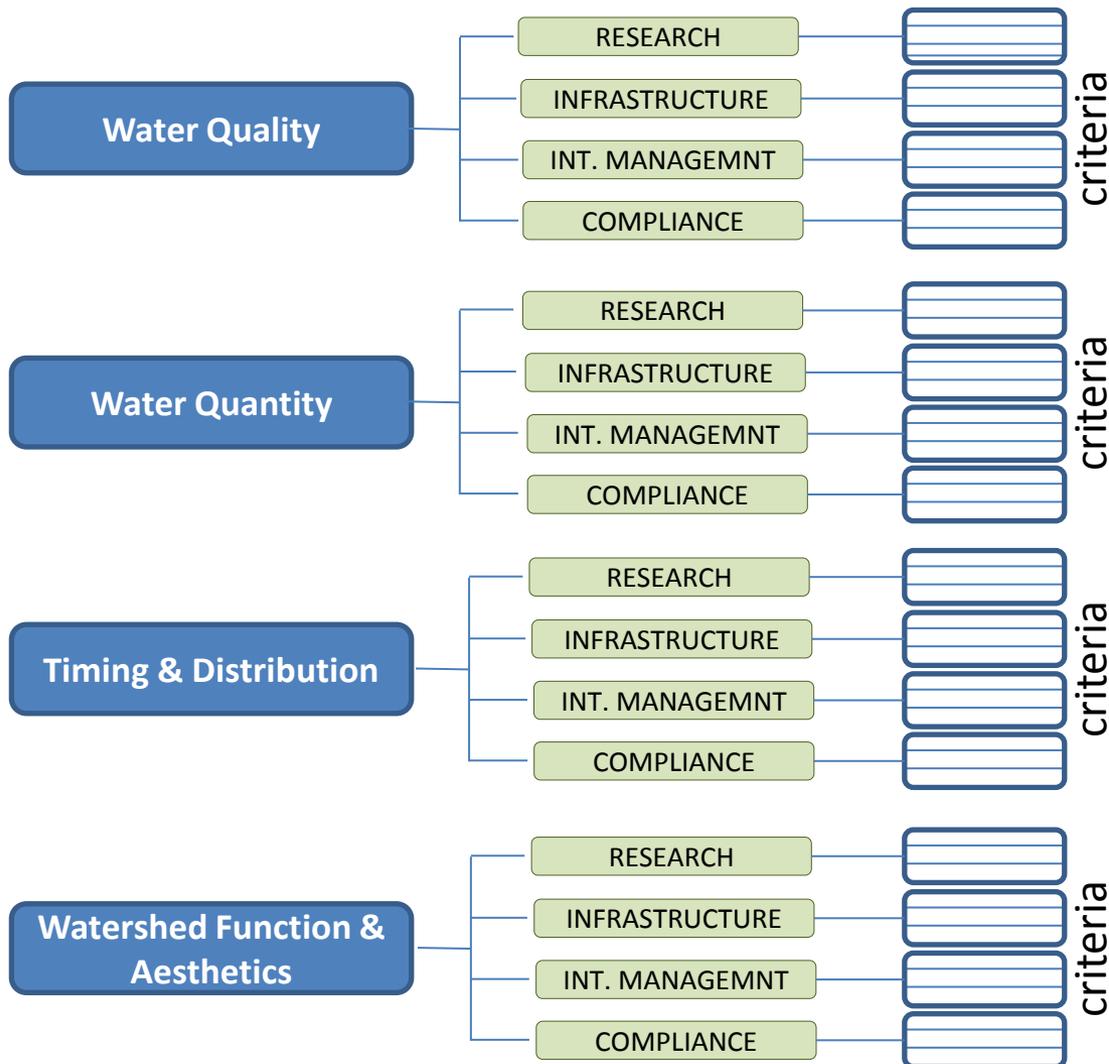
Ranking Criteria	Projects, Programs and Activities			LB517	
	Water Quality	Water Quantity	Timing/Distribution		Watershed Functions & Aesthetics
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<i>The extent to which the PPA contributes to the state's water management goals</i>					vi
<i>The extent to which the PPA has been approved for funding through an established state program</i>					iv
<i>Urgency</i>					
<i>Local Sponsor Ability to Pay</i>					
<i>End Users Identifiable</i>					

Proposed Mega Categories



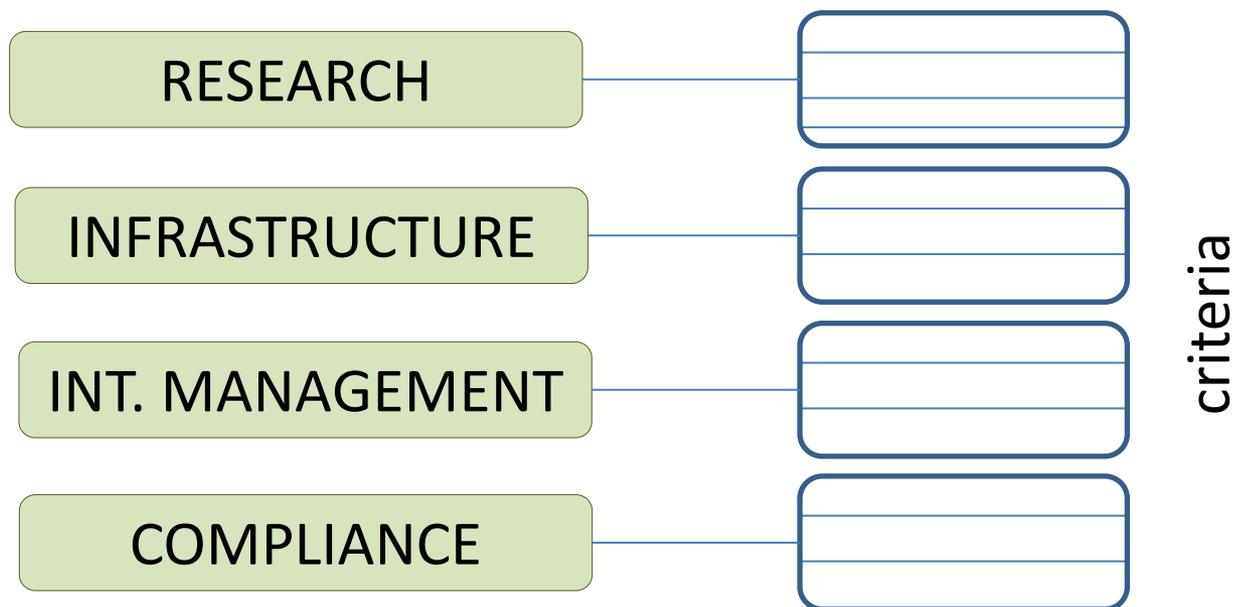
Option A

Proposed Mega Categories



Option B

Simplify → back to LB 517



LB517 Category Definitions

- **Research**, data, and modeling needed to assist the state meeting its water management goals.
- Rehabilitation or restoration of water supply **Infrastructure**, new water supply infrastructure, or water supply infrastructure maintenance.
- Conjunctive management, storage, and **Integrated Management** of groundwater and surface water.
- **Compliance** with interstate compacts or agreements or other formal state contracts or agreements.

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Criteria Ideas from Last Week

- Consider unmet need
- Consider ability to pay
- Consider Bang for Buck
- Provide for credit for recharge
- Consider timing or urgency of need

INFRASTRUCTURE

- 1. The extent to which the PPA contributes to multiple water supply management goals, including, but not limited to flood control, agricultural uses, recreation benefits, wildlife habitat, conservation of water resources, and preservation of water resources for future generations**
- 2. The extent to which the PPA provides increased water productivity and otherwise maximizes the beneficial use of Nebraska's water resources for the benefit of its residents**
- 3. The cost-effectiveness of the PPA relative to achieving the state's water management goals**
4. The extent to which the PPA contributes to the state's ability to leverage state dollars with local or federal government partners or other partners to maximize the use of its resources
5. The extent to which the PPA assists the state in meeting its obligations under interstate compacts or decrees or other formal state contracts or agreements
6. The extent to which the PPA has been approved for, but has not received, funding through an established state program
7. The extent to which the PPA utilizes objectives described in the Annual Report and Plan of work for the Nebraska State Water Planning and Review Process issued by the DNR

INFRASTRUCTURE - CONTINUED

Sustainability Criteria:

- To what extent does the PPA promote a healthy watershed
- To what extent does the PPA maintain water quality
- To what extent does the PPA protect the ability of future generations to meet their own needs (source water protection)

Water Quality Criteria:

- To what extent does the PPA mitigate threats to drinking water
- To what extent does the PPA contribute to watershed health and function

Water Quantity Criteria:

- To what extent does the PPA reduce the threat to property damage

INTEGRATED MANAGEMENT

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INT MANAGEMENT - CONTINUED

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- To what extent does the PPA promote a healthy watershed
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- To what extent does the PPA protect the ability of future generations to meet their own needs (source water protection)

Water Quantity Criteria:

- To what extent does the PPA retine water appropriately
- To what extent does the PPA enhance recharge

COMPLIANCE

1. **The extent to which the PPA contributes to multiple water supply management goals, including, but not limited to flood control, agricultural uses, recreation benefits, wildlife habitat, conservation of water resources, and preservation of water resources for future generations**
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RESEARCH

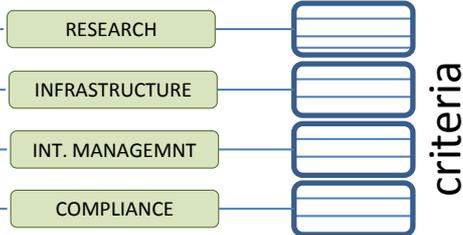
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4. The extent to which the PPA contributes to the state's ability to leverage state, local or federal government partners or other partners to maximize the use of its resources
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AWAITING NEXT WEEK'S DISCUSSION

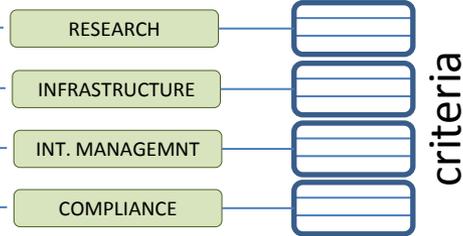
CATEGORY DISCUSSION

Option 1

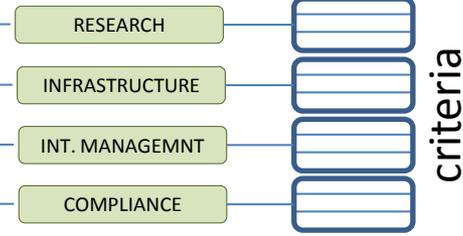
Water Quality



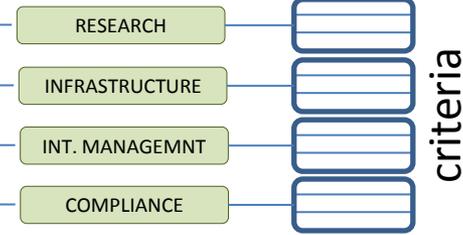
Water Quantity



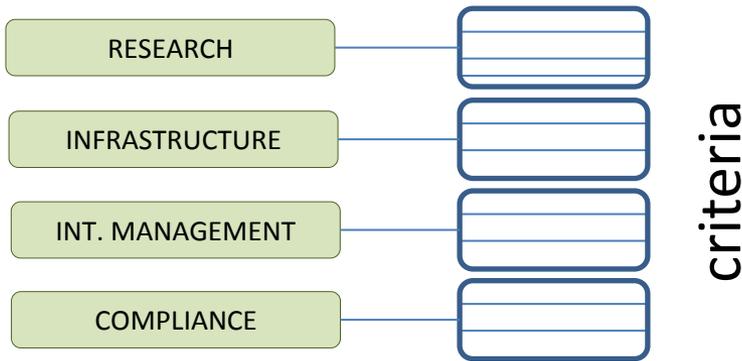
Timing & Distribution



Watershed Function & Aesthetics



Option 2



Option 3

