



**BASIN ELECTRIC
POWER COOPERATIVE**

A Touchstone Energy® Cooperative 

Upper Missouri Zone Coordinating Group/Committee

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Topics

- Status
- Objectives
- Participants in Coordinating Committee
- Governance/Voting
- Planning Criteria
- Design Criteria
- Inclusion Criteria
- Next Steps

Status

- Preliminary - Strawman
- BEPC wanted to get some governance/ voting concepts down on paper
- Need to start meeting with UMZ Transmission Owners

Objectives

- Process to resolve issues prior to FERC
- Define various criteria to address qualification to include, planning and design
- Define governance/voting - Consensus based probably won't work
- Possibly address other issues
- Provide adequate clarity on criteria prior to formation

Participants in Coordinating Committee

- Limited to Transmission Owners with ATRR
- Possibly include entities with Section 30.9 credits? (e.g. MDU ~ \$13 m of ATRR)

Governance/Voting

- Vote on Criteria not specific projects!
- Participants retain FERC filing rights
- Weighted voting
 - Facilities Sector (based on ATRR)
 - Network Service Sector (based on load)
- Used SPP's MOPC voting as a start
- Quorum requirement?
- 66% average required to pass

Governance/Voting

- 66% average required to pass
- Subject to:
 - No single entity can veto
 - BEPC has 40% weighted vote
 - WAPA has 36% weighted vote
 - Adjust to more than single? two or more?
 - No single entity can unilaterally approve

Governance/Voting

	5	Assumed 300,000	Re- Allocate	5	Assumed 5,000	Re- Allocate	
	total ATRR			MW 12 CP			
	0.00%		0.00%	0.00%		0.00%	
	Cutoff	ATRR	Cutoff	Cutoff		Cutoff	Combined
	Facilities		Facilities	Network Service	(MW)	Network Service	Weighted Vote
TO	Sector	(1000 \$)	Sector	Sector	(12 CP)	Sector	
BEPC	23.81%	71,417	23.81%	56.59%	2,829	56.59%	40.20%
CBPC	3.86%	11,571	3.86%				1.93%
CPEC	2.96%	8,892	2.96%				1.48%
EREPC	5.24%	15,723	5.24%				2.62%
Harlan	0.08%	252	0.08%	0.07%	3	0.07%	0.08%
HCPD	0.45%	1,346	0.45%	1.68%	84	1.68%	1.06%
MDU	4.48%	13,454	4.48%	6.43%	322	6.43%	5.46%
MRES	1.52%	4,566	1.52%	4.15%	208	4.15%	2.84%
MRES - DE	0.09%	257	0.09%				0.04%
MRES - MO	0.81%	2,426	0.81%				0.40%
MRES - OR	0.14%	420	0.14%				0.07%
MRES - PI	0.38%	1,134	0.38%				0.19%
MRES - SC	0.07%	217	0.07%				0.04%
MRES - VE	0.32%	968	0.32%				0.16%
MRES - WT	0.25%	762	0.25%				0.13%
MWEC	3.74%	11,230	3.74%				1.87%
NIPCO	2.81%	8,426	2.81%				1.40%
NWPS	1.79%	5,362	1.79%	5.93%	296	5.93%	3.86%
WAPA	47.19%	141,576	47.19%	25.15%	1,258	25.15%	36.17%
19	100.00%	300,000	100.00%	100.00%	5,000	100.00%	100.00%



Planning Criteria

- Use SPP for ITP studies
- Attempt to find robust regional solution first!
- In addition, use a Local Criteria to define when additions are required
 - Possible starting point is MW-Mile
 - 100 MW-mile for radial
 - 1000 to 2000 MW-mile for open looped needs a breaker
 - Guidelines v. Criteria
 - Other?

Inclusion Criteria

- Starting point is Attachment A1 guidance document
- Local Criteria - Modify for other circumstances
 - Spare Transformers
 - Open loop systems in specific cases?
 - Other?

Design Criteria

- Given that an addition is required, how to solve
- 3-way switch v. Main and Transfer v. Ring bus v. 1.5 breaker

Next Steps

- Member Feedback
- Transmission Owner meeting(s) - late January?

Questions