



# RPPTF – Preliminary Polling Summary

January 23, 2013

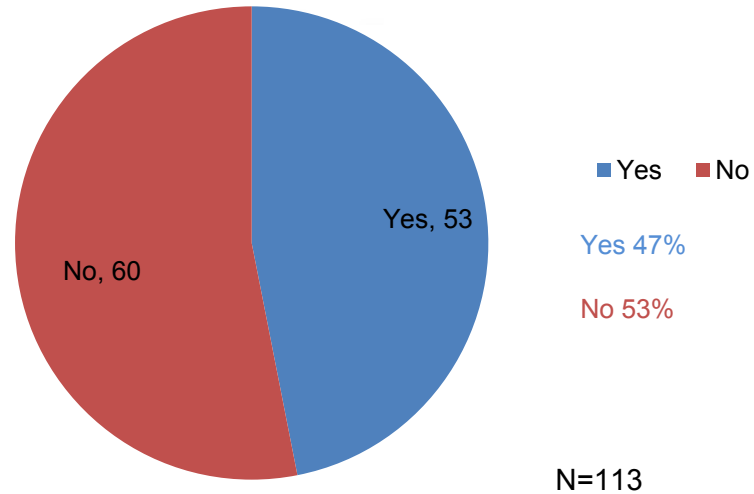
- 20 Respondents
- Data Represents 113 Entities
- 17 Entities are voting members
- Balance are affiliates

- PJM CBIR - Polling is not “Voting”
- Poll results shape Task Force direction of effort
  - Identify items worthy of further pursuit and refinement
  - Identify items to be tabled or discarded
- Stakeholder responses are ***non-binding***
- Data is presented in raw form or as percentages

Design Element	Current	Package 1 – Status Quo	Package 2 – Same as Package 1 but with regional for zones with decreased net load/capacity payments	Package 3	Package 4	Package 5 – Same as Package 4 but with regional for only zones with decreased net load/capacity payments	Package 6 – Benefit determination use Production/Capacity costs only (MISO method)	Package 7 – Benefit determination use only Load Payments (all zones)	Package 8 – Same as Package 7 but with lower voltage for only zones with decreased net load/capacity payments	Package 9 – Benefit determination use only Load Payments (only zones with decrease in net load/capacity payments)
1	Benefit Determination : Regional Project	Total Benefit= Energy + Capacity Benefit								
		Energy Benefit: 70% change in production costs + 30% change in net load payments all zones	Energy Benefit: 70% change in production costs + 30% change in net load payments(only zones with decrease in net load payments)	Energy Benefit: 70% change in production costs + 15% change in net load payments all zones +15% change in net load payments (only zones with decrease in net load payments)	Energy Benefit: 50% change in production costs + 50% change in net load payments all zones	Energy Benefit: 50% change in production costs + 50% change in net load payments (only zones with decrease in net load payments)	Energy Benefit: 100% change in production costs	Energy Benefit: 100% change in net load payments all zones	Energy Benefit: 100% change in net load payments (only zones with decrease in net load payments)	
		Capacity Benefit: 70% change in capacity costs + 30% change in net capacity payments all zones	Capacity Benefit: 70% change in capacity costs + 30% change in net capacity payments (only zones with decrease in net capacity payments)	Capacity Benefit: 70% change in capacity costs + 15% change in net capacity payments all zones +15% change in net capacity payments (only zones with decrease in net capacity payments)	Capacity Benefit: 50% change in capacity costs + 50% change in net capacity payments all zones	Capacity Benefit: 50% change in capacity costs + 50% change in net capacity payments (only zones with decrease in net capacity payments)	Capacity Benefit: 100% change in capacity costs	Capacity Benefit: 100% change in net capacity payments all zones	Capacity Benefit: 100% change in net capacity payments (only zones with decrease in net capacity payments)	
2	Benefit Determination : Lower Voltage Project	Total Benefit= Energy + Capacity Benefit								
		Energy Benefit: 70% change in production costs + 30% change in net load payments(only zones with decrease in net load payments)			Energy Benefit: 50% change in production costs + 50% change in net load payments(only zones with decrease in net load payments)		Energy Benefit: 100% change in production costs	Energy Benefit: 100% change in net load payments all zones	Energy Benefit: 100% change in net load payments (only zones with decrease in net load payments)	
		Capacity Benefit: 70% change in capacity costs + 30% change in net capacity payments (only zones with decrease in net capacity payments)			Capacity Benefit: 50% change in capacity costs + 50% change in net capacity payments (only zones with decrease in net capacity payments)		Capacity Benefit: 100% change in capacity costs	Capacity Benefit: 100% change in net capacity payments all zones	Capacity Benefit: 100% change in net capacity payments (only zones with decrease in net capacity payments)	
3	Cost Allocation - Regional Project	Load Ratio Share	50% Load Ratio Share and 50% to zones with decreased net load payments							
4	Cost Allocation - Lower Voltage Project	100% to zones with decreased net load payments								

		Status Quo	B	C	D	E	F
5	Generation Expansion	Include all ISA. Scale existing units based on location and technology to meet Reserve Requirement	Include all ISA and FSA. Scale existing units based on location and technology to meet Reserve Requirement	Include all ISA and FSA. Add units on HV system based on location and technology to meet Reserve Requirement.	Include actual transmission upgrades for congestion that arises from scaling assumptions.	Place holder. Add Demand Response (Need proposal from Atlantic Wind)	Include all ISA, FSA and units with Impact Study Agreements to meet Reserve Requirement. Include known network upgrades that are associated with all of these units. If necessary, scale existing units based on location and technology of remaining queued requests to meet Reserve Requirement. (Note: It is not anticipated that this option would require scaling because of the quantity of Impact Study agreements.)

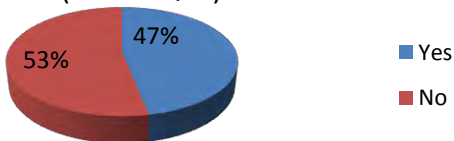
- What type of generation should be modeled?
- What level of commitment is necessary for generators?
- What is the cost responsibility of the generation?
- What would be the impact to the interconnection process?
- How do you control access to the transmission facility?
- Reduction of congestion and energy prices?



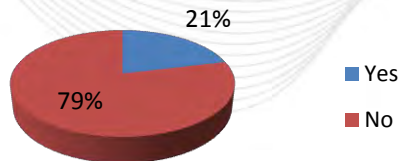
To determine the benefit for Market Efficiency Projects, I could support ...

### Package 1

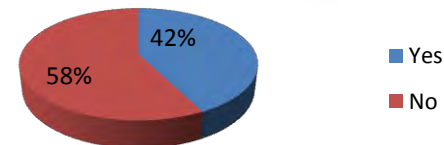
(Status Quo)



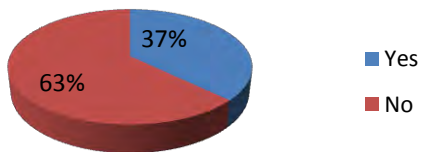
### Package 2



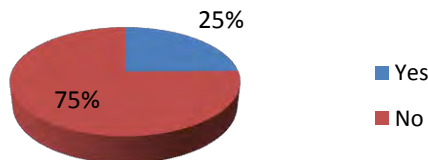
### Package 3



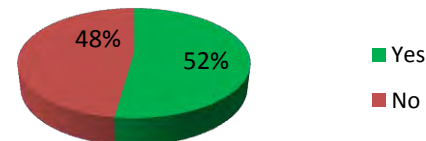
### Package 4



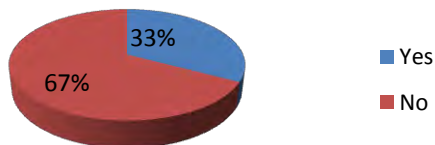
### Package 5



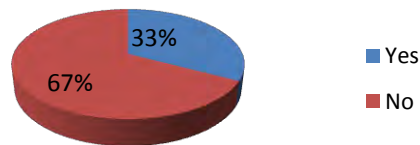
### Package 6



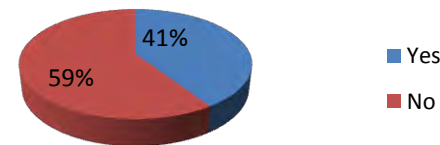
### Package 7



### Package 8



### Package 9



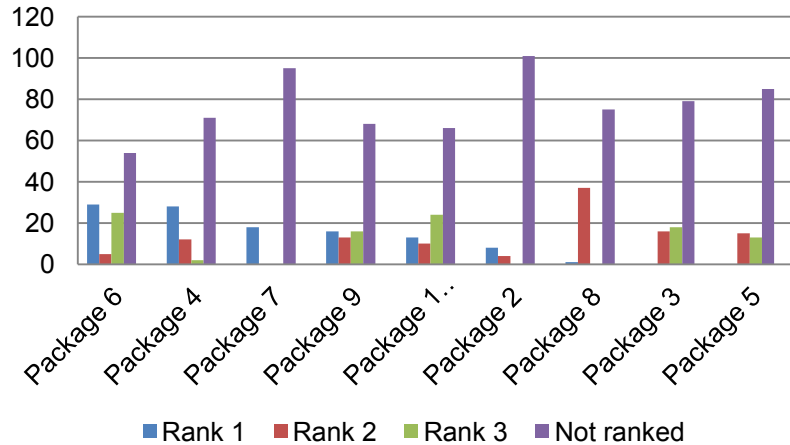




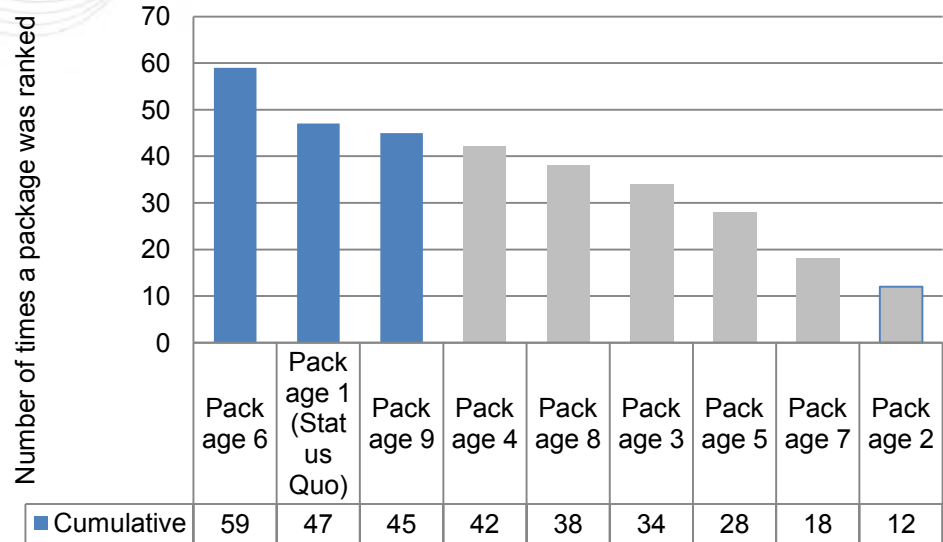
To determine the benefit for Market Efficiency Projects, I could support ...

Response	Package 1 (Status Quo)	Package 2	Package 3	Package 4	Package 5	Package 6	Package 7	Package 8	Package 9
%Yes (Includes Affiliates)	46.9%	21.2%	42.5%	37.2%	24.8%	52.2%	32.7%	32.7%	40.7%
%No (Includes Affiliates)	53.1%	78.8%	57.5%	62.8%	75.2%	47.8%	67.3%	67.3%	59.3%
Sector Weighted Results (Yes) (Voting Members Only)	2.55	0.81	0.99	1.98	0.64	1.18	3.25	3.25	2.57
Sector Weighted Results (No) (Voting Members Only)	2.45	4.19	4.01	3.02	4.36	3.82	1.75	1.75	2.43

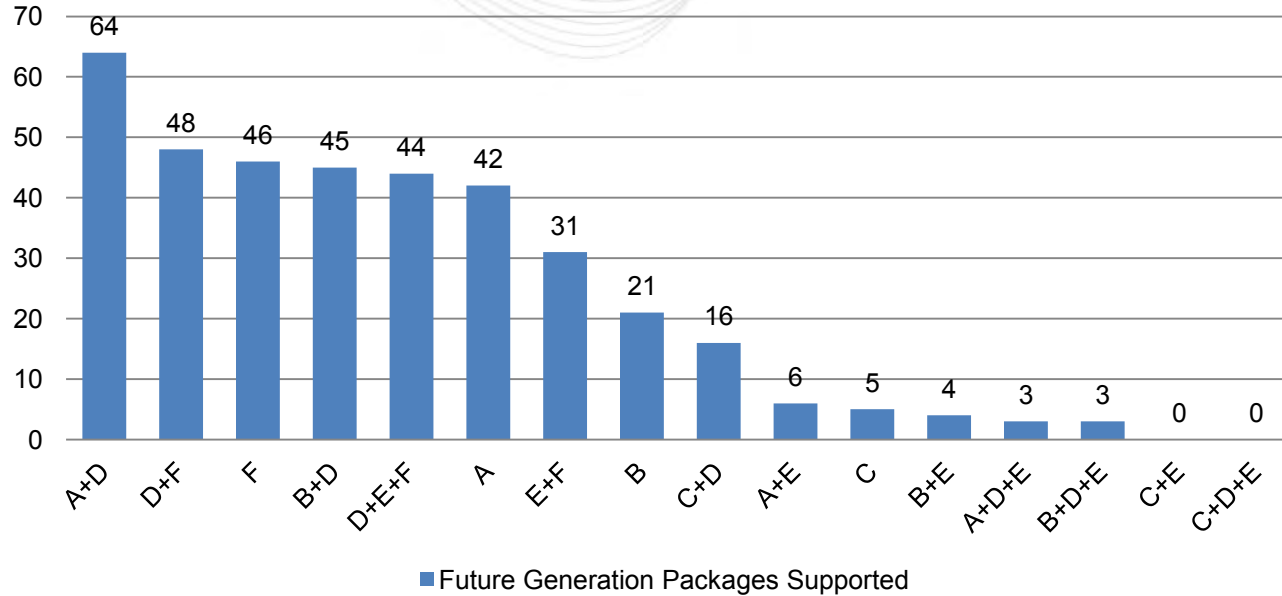
## Distribution of Top 3 Package Rankings



## Frequency of Interest

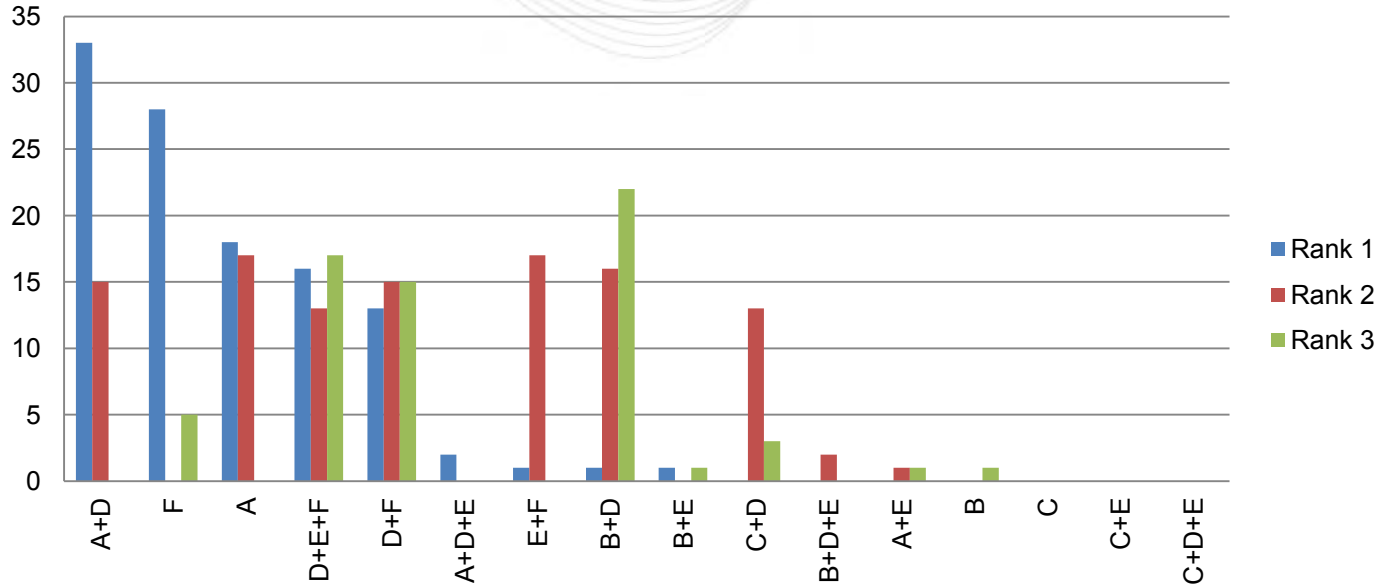


### Future Generation Packages Supported



Please rank your three top choices for the Market Efficiency method to model future generation in which reserve requirements are not met.

### Rankings for Future Generation



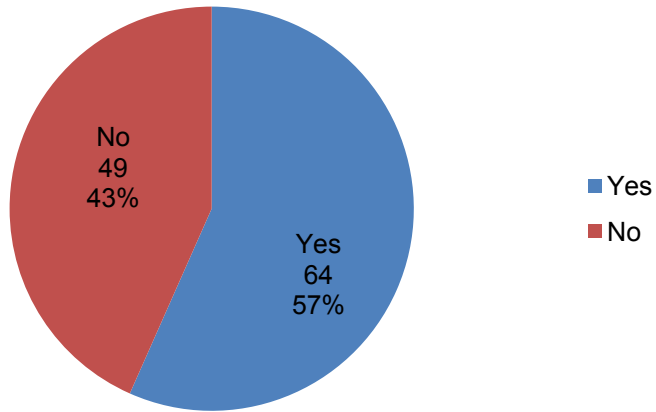


# Please indicate whether you can support these different options for Market Efficiency Generation Expansion

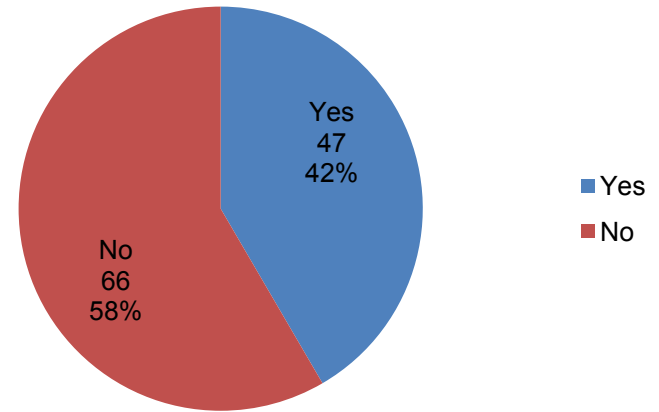
Response	A	B	C	F	A+D	A+E	B+D	B+E	C+D	C+E	D+F	E+F	A+D+E	B+D+E	C+D+E	D+E+F
%Yes (Includes Affiliates)	40.4%	20.2%	4.9%	44.7%	57.1%	5.8%	39.8%	3.8%	15.5%	0.0%	47.5%	29.8%	2.9%	2.9%	0.0%	42.7%
%No (Includes Affiliates)	59.6%	79.8%	95.1%	55.3%	42.9%	94.2%	60.2%	96.2%	84.5%	100.0%	52.5%	70.2%	97.1%	97.1%	100.0%	57.3%
Sector Weighted Results (Yes) (Voting Members Only)	3.12	0.99	0.75	2.27	3.26	0.49	1.31	0.13	0.00	0.00	2.63	1.64	0.00	0.00	0.00	1.52
Sector Weighted Results (No) (Voting Members Only)	1.88	4.01	4.25	2.73	1.74	4.51	3.69	4.88	5.00	5.00	2.37	3.36	5.00	5.00	5.00	3.48

# Market Efficiency Projects – Valuing only Transmission OR valuing Transmission and Generation

Support for valuing only transmission for all  
Market Efficiency Projects? (Status quo)  
N = 113

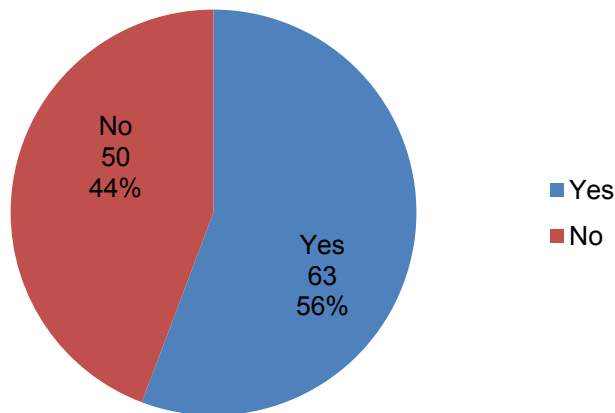


Support for Valuing transmission **and**  
generation in all Market Efficiency Projects?  
N = 113

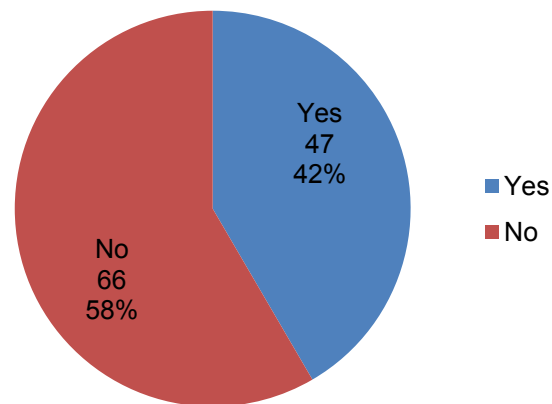


# Public Policy Projects – Valuing only Transmission OR valuing Transmission and Generation

Support for Valuing only transmission for  
all Public Policy Projects?  
N = 113



Support for Valuing transmission  
and generation for all Public  
Policy Projects? N = 113

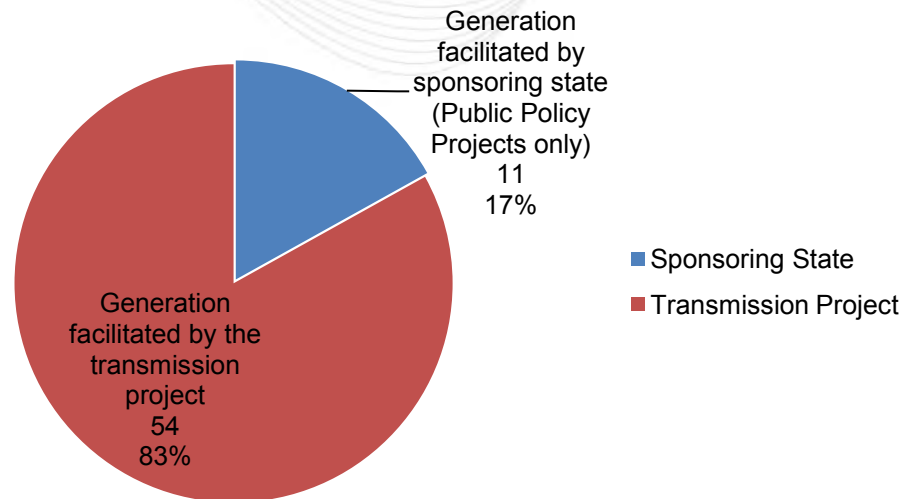


# Valuing only Transmission or Transmission and Generation

	Do you support valuing only transmission for all Market Efficiency Projects? (This is the status quo)	Do you support valuing transmission and generation in all Market Efficiency Projects?	Do you support valuing only transmission for all Public Policy Projects?	Do you support valuing transmission and generation for all Public Policy Projects?
%Yes (Includes Affiliates)	56.6%	41.6%	55.8%	41.6%
%No (Includes Affiliates)	43.4%	58.4%	44.2%	58.4%
Sector Weighted Results (Yes) (Voting Members Only)	3.25	1.39	3.19	1.39
Sector Weighted Results (No) (Voting Members Only)	1.75	3.61	1.81	3.61

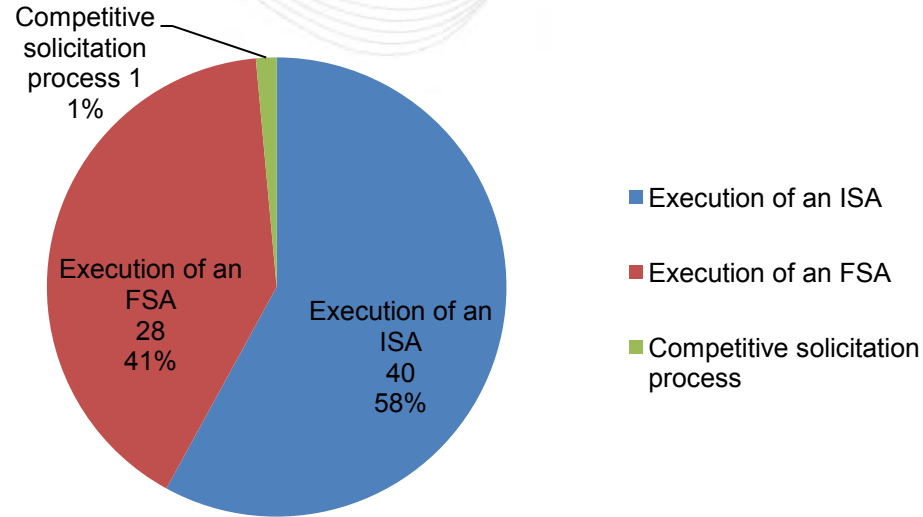


## Additional Benefit Component – What type of generation should be modeled?

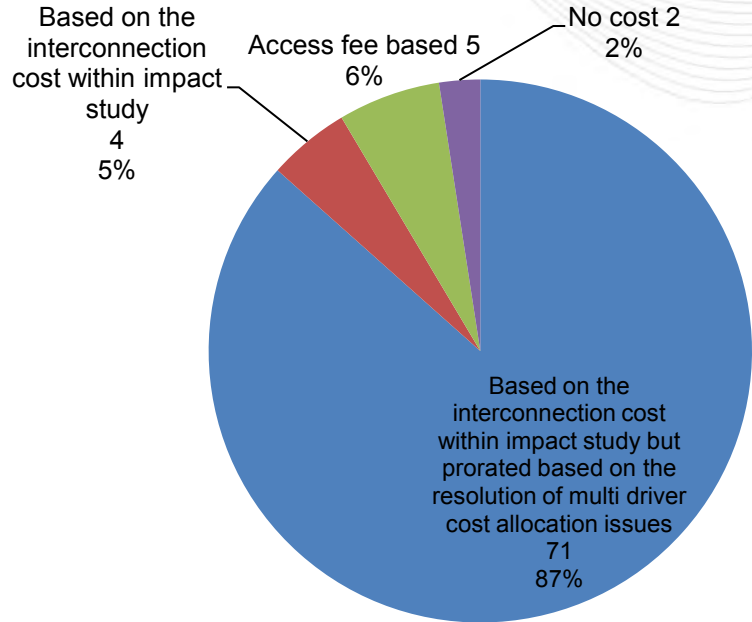


*One response/data element “Only renewable generation facilitated by transmission project” received no votes*

# Additional Benefit Component – What level of commitment is necessary for generators?

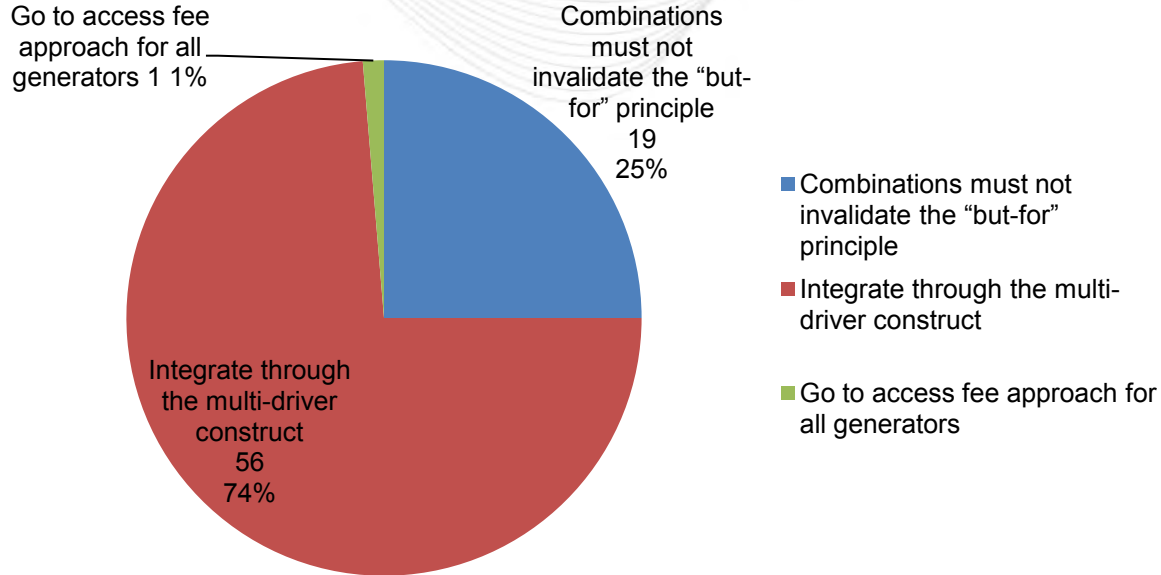


# Additional Benefit Component – What is the cost responsibility of the generation?



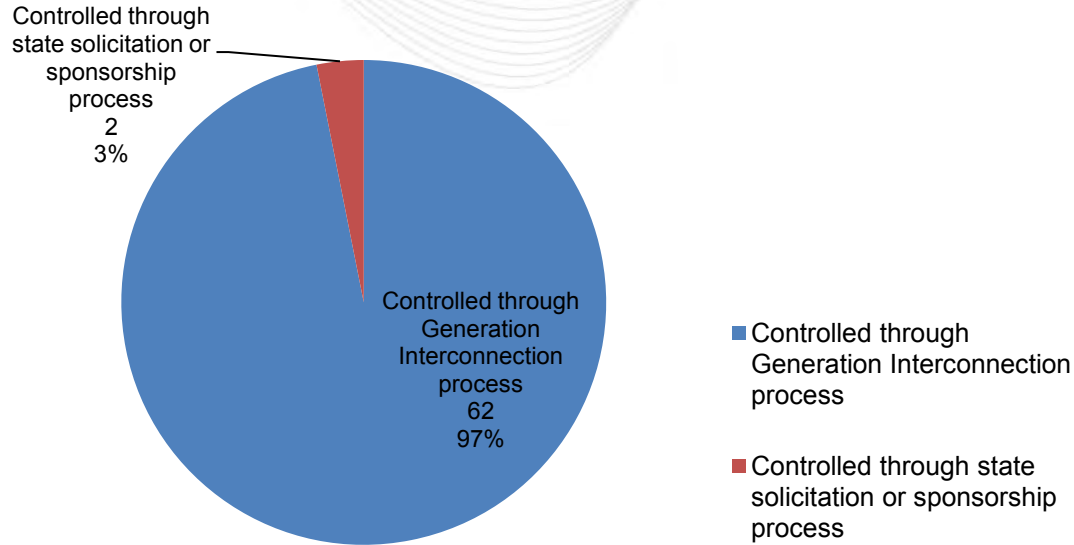
- Based on the interconnection cost within impact study but prorated based on the resolution of multi driver cost allocation issues
- Based on the interconnection cost within impact study
- Access fee based
- No cost

## What would be the impact to the interconnection process?

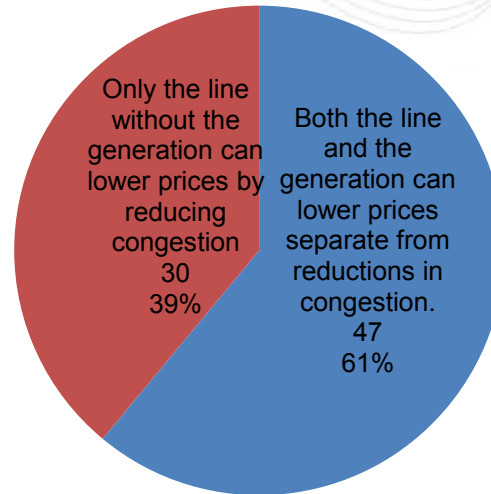


*Two response/data elements “different treatment for different resources (renewable vs. non renewable)” “different treatment for different resources (renewable associated with transmission vs other?)” – received no votes*

## Additional Benefit Component – How do you control access to the transmission facility?



## Additional Benefit Component – Reduction of congestion and energy prices?



- Both the line and the generation can lower prices separate from reductions in congestion.
- Only the line without the generation can lower prices by reducing congestion

- *Items worthy of further pursuit*
- *Potential Packages to be tabled or discarded*