

Technical Analysis of a 100% Renewable or Clean Energy Standard: Discussion of Draft Results with Stakeholder Advisory Group October 17, 2023 Presented by: Sustainable Energy Advantage, LLC

Planned revisions (based on comments to date)



Assumptions Applied to All Scenarios/Sensitivities (1)

- All targets reached by 2035
- RES-obligated load to include losses (required for a 100% target) Review & confirm
- CES defined as "Tier I with Nuclear eligible":

 - Quantity; initially equal to existing contracts, and allowed to increase up to 25% of load
 - When eligible, nuclear contributes to RES at no incremental cost
- For '100% renewable utilities,' Tier I, Tier II, and Regional Tier RES requirements will be applied to load above 2019 "baseline" Review & confirm.
- Assumes import transactions are facility-specific and create NEPOOL GIS Certificates reflecting descriptive characteristics of applicable facilities (i.e., not system power)
- Alternative Compliance Payments
 - Tier I and Tier II: methodology unchanged
 - Regional Tier: same as Tier II

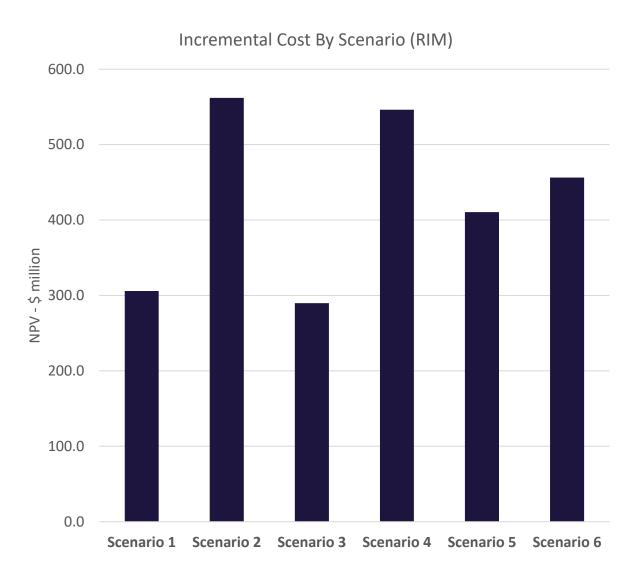
Assumptions Applied to All Scenarios/Sensitivities (2)

- Regional Tier Supply-Demand Modeling Approach
 - Modeling simulates scenario-specific interaction between VT and all other New England RES/CES programs → results in Regional Tier supply/demand balance and price formation.
 - Results in assumed contracting/attribution of supply to Vermont based on facility-specific characteristics and state-by-state eligibility requirements
- Regional Tier Assumed Eligibility
 - $^{\rm o}$ All post-2010 solar and wind
 - Hydro currently certified for MA Class I in any regional Class I market
 - Biomass assumed ineligible
- When Regional Tier applies, eligible supply under existing contractual commitments assumed retained.

Draft Results Discussion



Costs – Ratepayer Impact Measure (RIM)



Reminder that:

 Costs are incremental costs specific to the resources modeled (e.g., not all-in cost for underlying resource)

For Discussion:

Incremental v.

Cumulative

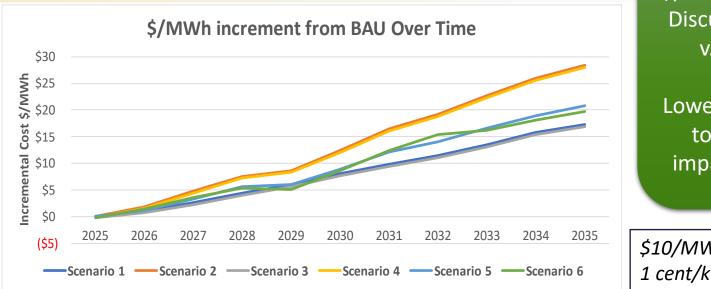
• Shown as relative to BAU

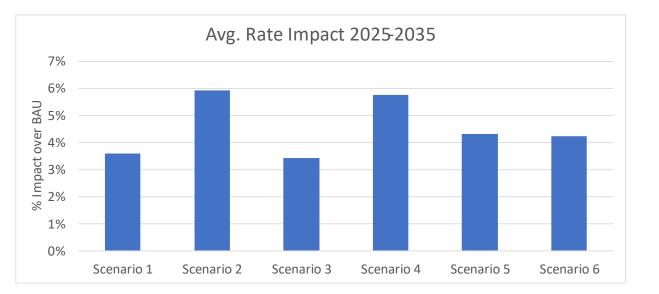
	Regional Tier Target	Tier II Target	Tier I Target	Target Date	Nuclear Tier I Eligible?	Biomass Tier I Eligible?
BAU	0%	10%	BAU	2032	No	Yes
Scenario 1	0%	30%	100% by 2030	2035	No	Yes
Scenario 2	30%	30%	100% by 2030	2035	No	Yes
Scenario 3	0%	30%	100% by 2030	2035	Yes	Yes
Scenario 4	30%	30%	100% by 2030	2035	Yes	Yes
Scenario 5	30%	20%	100% by 2030	2035	No	No
Scenario 6	50%	10%	100% by 2030	2035	Yes	No



Rate Impact

- Rate calculated as change from BAU scenario; includes both incremental costs and benefits/savings that would impact bill
- Impact increases over time as RES target increases
- Still, relatively small % of total rate (Scenario 2, with highest net costs, reaches ~12% increase from BAU by 2035)

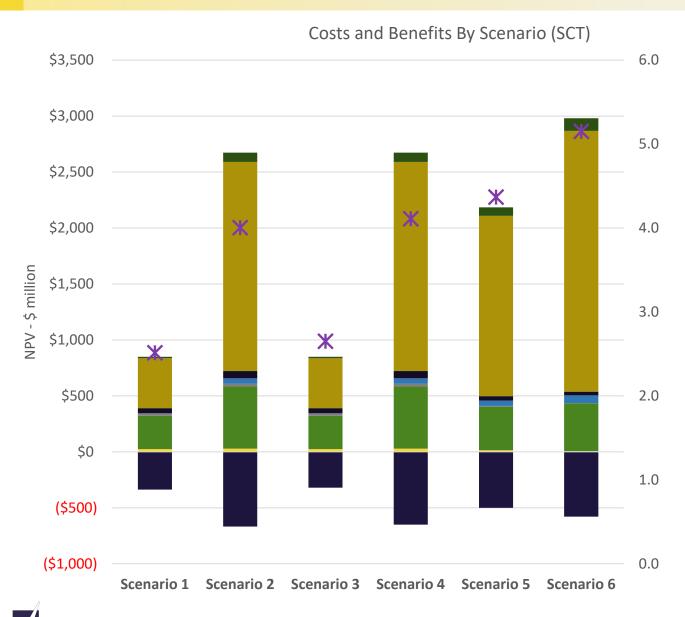




Lower chart of to average impact by So

\$10/MWh = 1 cent/kWh

Costs and Benefits by Scenario – Total (SC



- Environmental/Health Benefits
- GHG Benefits
- Reduced Losses
- Reliability Benefits
 - Transmission Benefits
 - Distribution Benefits
 - Price Suppression
 - Capacity Benefits
- Incremental cost of RE

🗶 BCR

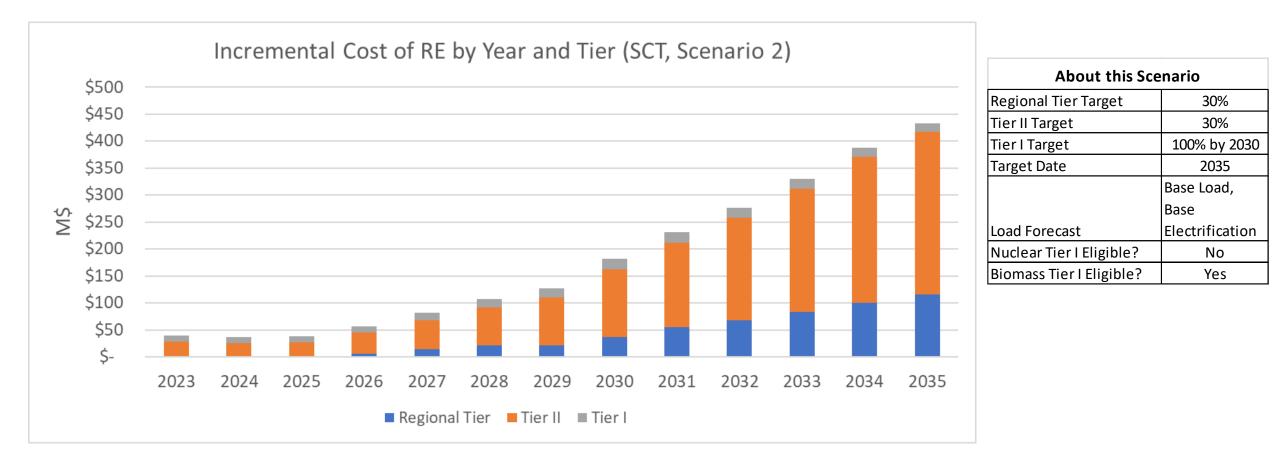
	Regional				Nuclear	Biomass
	Tier	Tier II		Target	Tier I	Tier I
	Target	Target	Tier I Target	Date	Eligible?	Eligible?
BAU	0%	10%	BAU	2032	No	Yes
Scenario 1	0%	30%	100% by 2030	2035	No	Yes
Scenario 2	30%	30%	100% by 2030	2035	No	Yes
Scenario 3	0%	30%	100% by 2030	2035	Yes	Yes
Scenario 4	30%	30%	100% by 2030	2035	Yes	Yes
Scenario 5	30%	20%	100% by 2030	2035	No	No
Scenario 6	50%	10%	100% by 2030	2035	Yes	No



Discuss 2-axis presentation

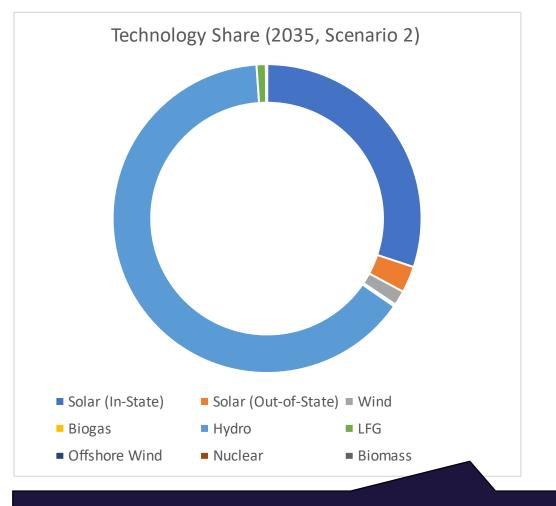
Incremental Costs by Year

- Scenario 2 presents the highest total costs of any scenario
- Yearly incremental costs by tier are shown below revealing Tier II requirements drive a majority of costs



New slide: for discussion

Breakdown of Technology by Scenario



Scenario 2 involves significant In-state Solar to meet Tier II and majority of Regional Tier / Tier I met with Hydro Scenario 6 provides maximum contribution from regional tier → more diverse resource mix to fill larger obligation

Solar (Out-of-State) = Wind

LFG

Biomass

Hydro

Nuclear

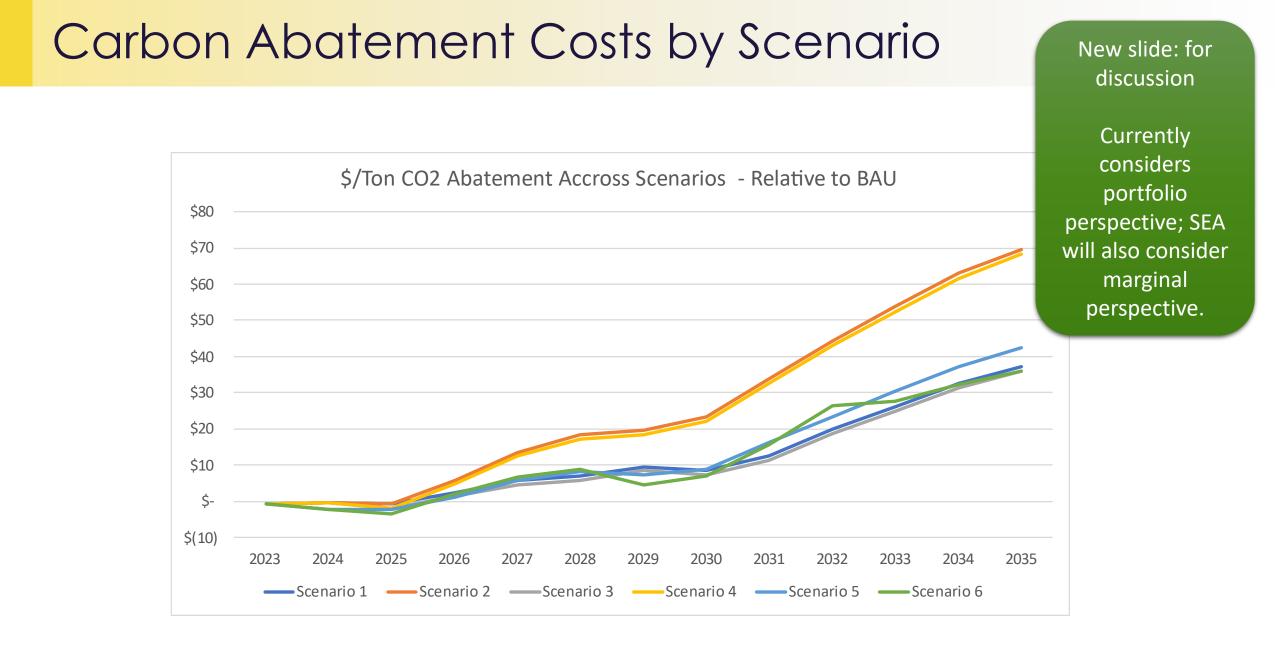
Technology Share (2035, Sc

Solar (In-State)

Offshore Wind

Biogas

Discuss. Will look different when updated for new Regional Tier eligibility criteria.



Alignment of Load and Generation Associated with PES Portfolio New chart: for

discussion

Renewability Metrics, by Month, Scenario 2, 2035

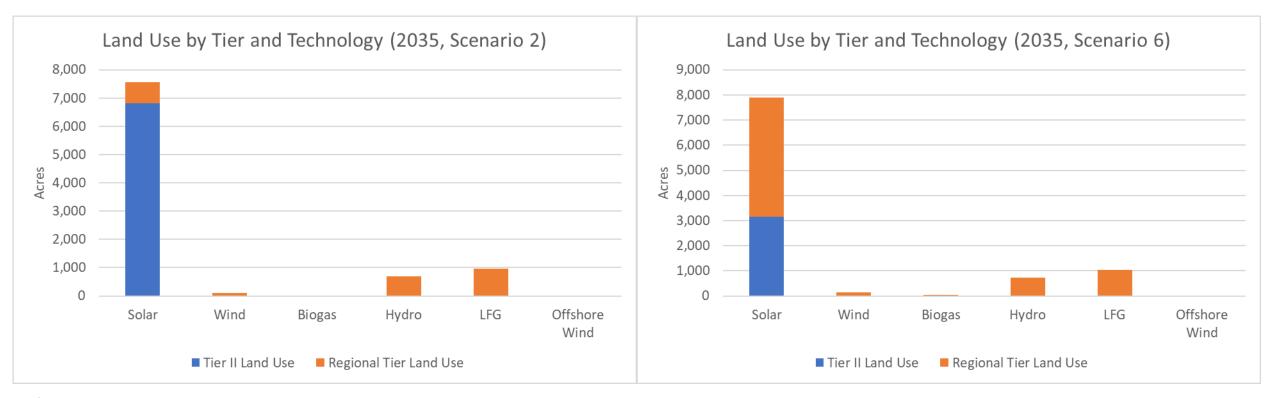
		Surplus/		
Total Surplus or	Max hourly	load during	Max hourly	Deficit/
(Deficit)	surplus	max	deficit	load during
(MWh)	(MW)	surplus	(MW)	max deficit
(35,014)	801	69%	(695)	-43%
45,736	1,038	91%	(665)	-42%
194,457	1,310	144%	(552)	-37%
(53,216)	949	128%	(864)	-67%
6,826	1,073	171%	(756)	-64%
151,807	1,217	187%	(590)	-48%
136,158	1,158	185%	(655)	-51%
91,284	1,144	176%	(693)	-53%
(18,445)	874	130%	(816)	-66%
(151,666)	693	90%	(882)	-67%
(300,349)	484	55%	(1,069)	-72%
(67,578)	670	65%	(741)	-44%
	(Deficit) (MWh) (35,014) (45,736) (194,457) (53,216) (53,216) (53,216) (53,216) (53,216) (53,216) (33,158) (151,807) (151,666) (300,349)	(Deficit) (MWh)surplus (MW)(35,014)801(35,014)80145,7361,038194,4571,310(53,216)9496,8261,0736,8261,073151,8071,217136,1581,15891,2841,144(18,445)874(151,666)693(300,349)484	Total Surplus or (Deficit) Max hourly load during surplus (MWh) Surplus max surplus (35,014) 801 69% 45,736 1,038 91% 194,457 1,310 144% (53,216) 949 128% 6,826 1,073 171% 151,807 1,217 187% 136,158 1,158 185% 91,284 1,144 176% (151,666) 693 90% (300,349) 484 55%	Total Surplus or (Deficit) (MWh) Max hourly surplus surplus (MW) max surplus surplus Max hourly max (35,014) 801 69% (695) 45,736 1,038 91% (665) 194,457 1,310 144% (552) (53,216) 949 128% (864) 6,826 1,073 171% (756) 151,807 1,217 187% (693) 136,158 1,158 185% (693) (18,445) 874 130% (816) (151,666) 693 90% (882) (300,349) 484 55% (1,069)

30% 20% 10% 0% -10% -20% -30% -40% -50% 1 2 3 8 9 10 12 5 6 11 Surplus/Deficit (as % of load)

Monthly Surplus/Deficit: Scenario 2 (2035)

Land Use Impacts by Scenario

- Solar development presents the largest land use impact relative to other technologies with a high density
 - Under scenarios with significant Tier II contributions (e.g., Scenario 2), in-state solar is responsible for the majority of in
 - Under scenarios that rely more on regional contributions, out-of-state solar is responsible of the majority of land use in
- These results are only relevant to *direct* land use from the siting of a facility and does not conside load use impacts from fossil generation and/or the impacts of extractive industries (e.g., nuclear, fossil fuels)





New slide: for discussion

For regional tier (orange): assume some new supply located in VT. Use load-ratio share.

Appendix 1

Comparative Results Tables: Societal Cost Test



Scenario 1 : SCT

	Scenario Total	Regional Tier	Tier II	Tier I
BCR	1.92	0.00	2.02	0.00
Net Benefits	\$406.66	\$0.00	\$428.38	(\$21.72)
Total Costs	\$442.45	\$0.00	\$420.73	\$21.72
Total Benefits	\$849.12	\$0.00	\$849.12	\$0.00
Incremental cost of RE	\$442.45	\$0.00	\$420.73	\$21.72
Transmission integration costs (Intrastate)	\$0.00	\$0.00	\$0.00	\$0.00
Transmission integration costs (ROP)	\$0.00	\$0.00	\$0.00	\$0.00
Interconnection upgrade benefits	\$20.84	\$0.00	\$20.84	\$0.00
Uncleared capacity value (Intrastate)	\$0.70	\$0.00	\$0.70	\$0.00
Uncleared capacity value (ROP)	\$23.36	\$0.00	\$23.36	\$0.00
Reduced Share of Capacity Costs	\$0.00	\$0.00	\$0.00	\$0.00
Price suppression - energy (Intrastate)	\$1.53	\$0.00	\$1.53	\$0.00
Price suppression - energy (ROP)	\$58.11	\$0.00	\$58.11	\$0.00
Price suppression - capacity (Intrastate)	\$5.26	\$0.00	\$5.26	\$0.00
Price suppression - capacity (ROP)	\$203.76	\$0.00	\$203.76	\$0.00
Price suppression - electric-gas (Intrastate)	\$0.03	\$0.00	\$0.03	\$0.00
Price suppression - electric-gas (ROP)	\$1.25	\$0.00	\$1.25	\$0.00
Price suppression - electric-gas-electric (Intrastate)	\$0.55	\$0.00	\$0.55	\$0.00
Price suppression - electric-gas-electric (ROP)	\$26.59	\$0.00	\$26.59	\$0.00
Reduced transmission costs (Intrastate)	\$0.00	\$0.00	\$0.00	\$0.00
Reduced transmission costs (ROP)	\$0.00	\$0.00	\$0.00	\$0.00
Reduced Share of Transmission Costs	\$0.00	\$0.00	\$0.00	\$0.00
Reduced distribution costs	\$0.68	\$0.00	\$0.68	\$0.00
Reduced T&D losses - capacity (Intrastate)	\$2.15	\$0.00	\$2.15	\$0.00
Reduced T&D losses - capacity (ROP)	\$18.17	\$0.00	\$18.17	\$0.00
Reduced T&D losses - energy (Intrastate)	\$0.13	\$0.00	\$0.13	\$0.00
Reduced T&D losses - energy (ROP)	\$24.53	\$0.00	\$24.53	\$0.00
Improved generation reliability (Intrastate)	\$0.11	\$0.00	\$0.11	\$0.00
Improved generation reliability (ROP)	\$2.30	\$0.00	\$2.30	\$0.00
Non-embedded GHG emissions	\$445.81	\$0.00	\$445.81	\$0.00
NOx emissions	\$1.91	\$0.00	\$1.91	\$0.00
Local pollutants	\$11.36	\$0.00	\$11.36	\$0.00

					Nuclear	Biomass
	Regional	Tier II		Target	Tier I	Tier I
	Tier Target	Target	Tier I Target	Date	Eligible?	Eligible?
			100% by			
Scenario 1	0%	30%	2030	2035	No	Yes

Scenario 2 : SCT

	Scenario Total	Regional Tier	Tier II	Tier I
BCR	3.46	5.02	2.02	0.00
Net Benefits	\$1,901.16	\$1,460.81	\$428.38	\$11.97
Total Costs	\$772.12	\$363.35	\$420.73	(\$11.97)
Total Benefits	\$2,673.28	\$1,824.16	\$849.12	\$0.00
Incremental cost of RE	\$722.66	\$313.89	\$420.73	(\$11.97)
Transmission integration costs (Intrastate)	\$2.01	\$2.01	\$0.00	\$0.00
Transmission integration costs (ROP)	\$47.45	\$47.45	\$0.00	\$0.00
Interconnection upgrade benefits	\$20.97	\$0.13	\$20.84	\$0.00
Uncleared capacity value (Intrastate)	\$0.83	\$0.13	\$0.70	\$0.00
Uncleared capacity value (ROP)	\$27.68	\$4.31	\$23.36	\$0.00
Reduced Share of Capacity Costs	\$0.00	\$0.00	\$0.00	\$0.00
Price suppression - energy (Intrastate)	\$5.01	\$3.48	\$1.53	\$0.00
Price suppression - energy (ROP)	\$194.76	\$136.65	\$58.11	\$0.00
Price suppression - capacity (Intrastate)	\$6.69	\$1.43	\$5.26	\$0.00
Price suppression - capacity (ROP)	\$279.68	\$75.92	\$203.76	\$0.00
Price suppression - electric-gas (Intrastate)	\$0.09	\$0.06	\$0.03	\$0.00
Price suppression - electric-gas (ROP)	\$3.54	\$2.29	\$1.25	\$0.00
Price suppression - electric-gas-electric (Intrastate)	\$1.50	\$0.95	\$0.55	\$0.00
Price suppression - electric-gas-electric (ROP)	\$63.60	\$37.01	\$26.59	\$0.00
Reduced transmission costs (Intrastate)	\$1.85	\$1.85	\$0.00	\$0.00
Reduced transmission costs (ROP)	\$43.76	\$43.76	\$0.00	\$0.00
Reduced Share of Transmission Costs	\$0.00	\$0.00	\$0.00	\$0.00
Reduced distribution costs	\$3.14	\$2.45	\$0.68	\$0.00
Reduced T&D losses - capacity (Intrastate)	\$9.53	\$7.38	\$2.15	\$0.00
Reduced T&D losses - capacity (ROP)	\$22.95	\$4.78	\$18.17	\$0.00
Reduced T&D losses - energy (Intrastate)	\$0.65	\$0.52	\$0.13	\$0.00
Reduced T&D losses - energy (ROP)	\$32.37	\$7.84	\$24.53	\$0.00
Improved generation reliability (Intrastate)	\$0.14	\$0.04	\$0.11	\$0.00
Improved generation reliability (ROP)	\$3.07	\$0.78	\$2.30	\$0.00
Non-embedded GHG emissions	\$1,868.31	\$1,422.50	\$445.81	\$0.00
NOx emissions	\$9.27	\$7.37	\$1.91	\$0.00
Local pollutants	\$73.90	\$62.54	\$11.36	\$0.00

	Regional Tier Target	Tier II Target	Tier I Target	Target Date	Nuclear Tier I Eligible?	Biomass Tier I Eligible?
Scenario 2	30%	30%	100% by 2030	2035	No	Yes

Scenario 3 : SCT

	Scenario Total	Regional Tier	Tier II	Tier I
BCR	2.00	0.00	2.02	0.00
Net Benefits	\$424.13	\$0.00	\$428.38	(\$4.26)
Total Costs	\$424.99	\$0.00	\$420.73	\$4.26
Total Benefits	\$849.12	\$0.00	\$849.12	\$0.00
Incremental cost of RE	\$424.99	\$0.00	\$420.73	\$4.26
Transmission integration costs (Intrastate)	\$0.00	\$0.00	\$0.00	\$0.00
Transmission integration costs (ROP)	\$0.00	\$0.00	\$0.00	\$0.00
Interconnection upgrade benefits	\$20.84	\$0.00	\$20.84	\$0.00
Uncleared capacity value (Intrastate)	\$0.70	\$0.00	\$0.70	\$0.00
Uncleared capacity value (ROP)	\$23.36	\$0.00	\$23.36	\$0.00
Reduced Share of Capacity Costs	\$0.00	\$0.00	\$0.00	\$0.00
Price suppression - energy (Intrastate)	\$1.53	\$0.00	\$1.53	\$0.00
Price suppression - energy (ROP)	\$58.11	\$0.00	\$58.11	\$0.00
Price suppression - capacity (Intrastate)	\$5.26	\$0.00	\$5.26	\$0.00
Price suppression - capacity (ROP)	\$203.76	\$0.00	\$203.76	\$0.00
Price suppression - electric-gas (Intrastate)	\$0.03	\$0.00	\$0.03	\$0.00
Price suppression - electric-gas (ROP)	\$1.25	\$0.00	\$1.25	\$0.00
Price suppression - electric-gas-electric (Intrastate)	\$0.55	\$0.00	\$0.55	\$0.00
Price suppression - electric-gas-electric (ROP)	\$26.59	\$0.00	\$26.59	\$0.00
Reduced transmission costs (Intrastate)	\$0.00	\$0.00	\$0.00	\$0.00
Reduced transmission costs (ROP)	\$0.00	\$0.00	\$0.00	\$0.00
Reduced Share of Transmission Costs	\$0.00	\$0.00	\$0.00	\$0.00
Reduced distribution costs	\$0.68	\$0.00	\$0.68	\$0.00
Reduced T&D losses - capacity (Intrastate)	\$2.15	\$0.00	\$2.15	\$0.00
Reduced T&D losses - capacity (ROP)	\$18.17	\$0.00	\$18.17	\$0.00
Reduced T&D losses - energy (Intrastate)	\$0.13	\$0.00	\$0.13	\$0.00
Reduced T&D losses - energy (ROP)	\$24.53	\$0.00	\$24.53	\$0.00
Improved generation reliability (Intrastate)	\$0.11	\$0.00	\$0.11	\$0.00
Improved generation reliability (ROP)	\$2.30	\$0.00	\$2.30	\$0.00
Non-embedded GHG emissions	\$445.81	\$0.00	\$445.81	\$0.00
NOx emissions	\$1.91	\$0.00	\$1.91	\$0.00
Local pollutants	\$11.36	\$0.00	\$11.36	\$0.00

	Regional Tier Target	Tier II Target	Tier I Target	Target Date	Nuclear Tier I Eligible?	Biomass Tier I Eligible?
Scenario 3	0%	30%	100% by 2030	2035	Yes	Yes

Scenario 4: SCT

				1
	Scenario Total	Regional Tier	Tier II	Tier I
BCR	3.54	5.02	2.02	0.00
Net Benefits	\$1,918.29	\$1,460.81	\$428.38	\$29.09
Total Costs	\$754.99	\$363.35	\$420.73	(\$29.09)
Total Benefits	\$2,673.28	\$1,824.16	\$849.12	\$0.00
Incremental cost of RE	\$705.53	\$313.89	\$420.73	(\$29.09)
Transmission integration costs (Intrastate)	\$2.01	\$2.01	\$0.00	\$0.00
Transmission integration costs (ROP)	\$47.45	\$47.45	\$0.00	\$0.00
Interconnection upgrade benefits	\$20.97	\$0.13	\$20.84	\$0.00
Uncleared capacity value (Intrastate)	\$0.83	\$0.13	\$0.70	\$0.00
Uncleared capacity value (ROP)	\$27.68	\$4.31	\$23.36	\$0.00
Reduced Share of Capacity Costs	\$0.00	\$0.00	\$0.00	\$0.00
Price suppression - energy (Intrastate)	\$5.01	\$3.48	\$1.53	\$0.00
Price suppression - energy (ROP)	\$194.76	\$136.65	\$58.11	\$0.00
Price suppression - capacity (Intrastate)	\$6.69	\$1.43	\$5.26	\$0.00
Price suppression - capacity (ROP)	\$279.68	\$75.92	\$203.76	\$0.00
Price suppression - electric-gas (Intrastate)	\$0.09	\$0.06	\$0.03	\$0.00
Price suppression - electric-gas (ROP)	\$3.54	\$2.29	\$1.25	\$0.00
Price suppression - electric-gas-electric (Intrastate)	\$1.50	\$0.95	\$0.55	\$0.00
Price suppression - electric-gas-electric (ROP)	\$63.60	\$37.01	\$26.59	\$0.00
Reduced transmission costs (Intrastate)	\$1.85	\$1.85	\$0.00	\$0.00
Reduced transmission costs (ROP)	\$43.76	\$43.76	\$0.00	\$0.00
Reduced Share of Transmission Costs	\$0.00	\$0.00	\$0.00	\$0.00
Reduced distribution costs	\$3.14	\$2.45	\$0.68	\$0.00
Reduced T&D losses - capacity (Intrastate)	\$9.53	\$7.38	\$2.15	\$0.00
Reduced T&D losses - capacity (ROP)	\$22.95	\$4.78	\$18.17	\$0.00
Reduced T&D losses - energy (Intrastate)	\$0.65	\$0.52	\$0.13	\$0.00
Reduced T&D losses - energy (ROP)	\$32.37	\$7.84	\$24.53	\$0.00
Improved generation reliability (Intrastate)	\$0.14	\$0.04	\$0.11	\$0.00
Improved generation reliability (ROP)	\$3.07	\$0.78	\$2.30	\$0.00
Non-embedded GHG emissions	\$1,868.31	\$1,422.50	\$445.81	\$0.00
NOx emissions	\$9.27	\$7.37	\$1.91	\$0.00
ر Local pollutants	\$73.90	\$62.54	\$11.36	\$0.00

	Regional Tier Target	Tier II Target	Tier I Target	Target Date	Tier I	Biomass Tier I Eligible?
Scenario 4	30%	30%	100% by 2030	2035	Yes	Yes

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Scenario 5: SCT

	Scenario Total	Regional Tier	Tier II	Tier I
BCR	3.87	5.02	1.78	0.00
Net Benefits	\$1,620.13	\$1,460.81	\$158.59	\$0.74
Total Costs	\$564.65	\$363.35	\$202.04	(\$0.74)
Total Benefits	\$2,184.79	\$1,824.16	\$360.63	\$0.00
Incremental cost of RE	\$515.19	\$313.89	\$202.04	(\$0.74)
Transmission integration costs (Intrastate)	\$2.01	\$2.01	\$0.00	\$0.00
Transmission integration costs (ROP)	\$47.45	\$47.45	\$0.00	\$0.00
Interconnection upgrade benefits	\$6.44	\$0.13	\$6.31	\$0.00
Uncleared capacity value (Intrastate)	\$0.43	\$0.13	\$0.30	\$0.00
Uncleared capacity value (ROP)	\$14.40	\$4.31	\$10.08	\$0.00
Reduced Share of Capacity Costs	\$0.00	\$0.00	\$0.00	\$0.00
Price suppression - energy (Intrastate)	\$4.14	\$3.48	\$0.66	\$0.00
Price suppression - energy (ROP)	\$161.78	\$136.65	\$25.14	\$0.00
Price suppression - capacity (Intrastate)	\$3.70	\$1.43	\$2.27	\$0.00
Price suppression - capacity (ROP)	\$163.94	\$75.92	\$88.03	\$0.00
Price suppression - electric-gas (Intrastate)	\$0.07	\$0.06	\$0.01	\$0.00
Price suppression - electric-gas (ROP)	\$2.82	\$2.29	\$0.53	\$0.00
Price suppression - electric-gas-electric (Intrastate)	\$1.20	\$0.95	\$0.25	\$0.00
Price suppression - electric-gas-electric (ROP)	\$49.03	\$37.01	\$12.02	\$0.00
Reduced transmission costs (Intrastate)	\$1.85	\$1.85	\$0.00	\$0.00
Reduced transmission costs (ROP)	\$43.76	\$43.76	\$0.00	\$0.00
Reduced Share of Transmission Costs	\$0.00	\$0.00	\$0.00	\$0.00
Reduced distribution costs	\$2.59	\$2.45	\$0.14	\$0.00
Reduced T&D losses - capacity (Intrastate)	\$8.31	\$7.38	\$0.93	\$0.00
Reduced T&D losses - capacity (ROP)	\$12.63	\$4.78	\$7.85	\$0.00
Reduced T&D losses - energy (Intrastate)	\$0.57	\$0.52	\$0.05	\$0.00
Reduced T&D losses - energy (ROP)	\$18.29	\$7.84	\$10.44	\$0.00
Improved generation reliability (Intrastate)	\$0.09	\$0.04	\$0.05	\$0.00
Improved generation reliability (ROP)	\$1.93	\$0.78	\$1.15	\$0.00
Non-embedded GHG emissions	\$1,611.46	\$1,422.50	\$188.96	\$0.00
NOx emissions	\$8.17	\$7.37	\$0.80	\$0.00
Local pollutants	\$67.20	\$62.54	\$4.66	\$0.00

	Regional	Tier II		Target		Biomass Tier I
	Tier Target	Target	Tier I Target	Date	Eligible?	Eligible?
Scenario 5	30%	20%	100% by 2030	2035	No	No

Scenario 6: SCT

Scenario Total	Regional Tier	Tier II	Tier I
5.15	4.89	0.00	0.00
\$2,402.42	\$2,371.66	\$0.00	\$30.76
\$578.60	\$609.36	\$0.00	(\$30.76)
\$2 <i>,</i> 981.02	\$2 <i>,</i> 981.02	\$0.00	\$0.00
\$499.42	\$530.18	\$0.00	(\$30.76)
\$3.22	\$3.22	\$0.00	\$0.00
\$75.96	\$75.96	\$0.00	\$0.00
\$0.21	\$0.21	\$0.00	\$0.00
\$0.17	\$0.17	\$0.00	\$0.00
\$5.75	\$5.75	\$0.00	\$0.00
\$0.00	\$0.00	\$0.00	\$0.00
\$5.83	\$5.83	\$0.00	\$0.00
\$230.48	\$230.48	\$0.00	\$0.00
\$2.27	\$2.27	\$0.00	\$0.00
\$119.81	\$119.81	\$0.00	\$0.00
\$0.10	\$0.10	\$0.00	\$0.00
\$3.98	\$3.98	\$0.00	\$0.00
\$1.60	\$1.60	\$0.00	\$0.00
\$62.60	\$62.60	\$0.00	\$0.00
\$2.72	\$2.72	\$0.00	\$0.00
\$64.11	\$64.11	\$0.00	\$0.00
\$0.00	\$0.00	\$0.00	\$0.00
\$3.28	\$3.28	\$0.00	\$0.00
\$11.26	\$11.26	\$0.00	\$0.00
\$7.21	\$7.21	\$0.00	\$0.00
\$0.91	\$0.91	\$0.00	\$0.00
\$14.66	\$14.66	\$0.00	\$0.00
\$0.06	\$0.06	\$0.00	\$0.00
\$1.22	\$1.22	\$0.00	\$0.00
\$2,330.48	\$2,330.48	\$0.00	\$0.00
\$12.07	\$12.07	\$0.00	\$0.00
\$100.25	\$100.25	\$0.00	\$0.00
	5.15 \$2,402.42 \$578.60 \$2,981.02 \$499.42 \$3.22 \$75.96 \$0.21 \$0.17 \$5.75 \$0.00 \$5.83 \$230.48 \$2.27 \$119.81 \$0.10 \$3.98 \$1.60 \$62.60 \$2.72 \$64.11 \$0.00 \$3.28 \$11.26 \$7.21 \$0.91 \$14.66 \$0.91 \$14.66 \$0.06 \$1.22 \$2,330.48	5.15 4.89 \$2,402.42 \$2,371.66 \$578.60 \$609.36 \$2,981.02 \$2,981.02 \$499.42 \$530.18 \$3.22 \$3.22 \$75.96 \$75.96 \$0.21 \$0.21 \$0.17 \$0.17 \$5.75 \$5.75 \$0.00 \$0.00 \$5.83 \$5.83 \$230.48 \$230.48 \$2.27 \$2.27 \$119.81 \$119.81 \$0.10 \$0.10 \$3.98 \$3.98 \$1.60 \$1.60 \$62.60 \$62.60 \$2.72 \$2.72 \$64.11 \$64.11 \$0.00 \$0.00 \$3.28 \$3.28 \$11.26 \$11.26 \$7.21 \$7.21 \$0.91 \$0.91 \$0.91 \$0.91 \$14.66 \$0.06 \$1.22 \$1.22 \$2,330.48 \$2,330.48	5.15 4.89 0.00 \$2,402.42\$2,371.66\$0.00\$578.60\$609.36\$0.00\$2,981.02\$2,981.02\$0.00\$499.42\$530.18\$0.00\$3.22\$3.22\$0.00\$75.96\$75.96\$0.00\$0.17\$0.17\$0.00\$0.17\$0.17\$0.00\$5.75\$5.75\$0.00\$0.00\$0.00\$0.00\$230.48\$230.48\$0.00\$2.27\$2.27\$0.00\$119.81\$119.81\$0.00\$0.10\$0.10\$0.00\$2.72\$2.27\$0.00\$1.60\$1.60\$0.00\$2.72\$2.72\$0.00\$1.60\$1.60\$0.00\$2.72\$2.72\$0.00\$1.60\$1.60\$0.00\$2.72\$2.72\$0.00\$1.60\$0.00\$0.00\$2.72\$2.72\$0.00\$1.60\$0.00\$0.00\$1.26\$11.26\$0.00\$1.22\$1.22\$0.00\$1.22\$1.22\$0.00\$1.22\$1.22\$0.00\$1.207\$0.00

	Regional Tier Target	Tier II Target	Tier I Target	Target Date	Nuclear Tier I Eligible?	Biomass Tier I Eligible?
Scenario 6	50%	10%	100% by 2030	2035	Yes	No

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