



COMMONWEALTH of VIRGINIA

Office of the

SECRETARY of TRANSPORTATION

SMART SCALE

Round 4 Update

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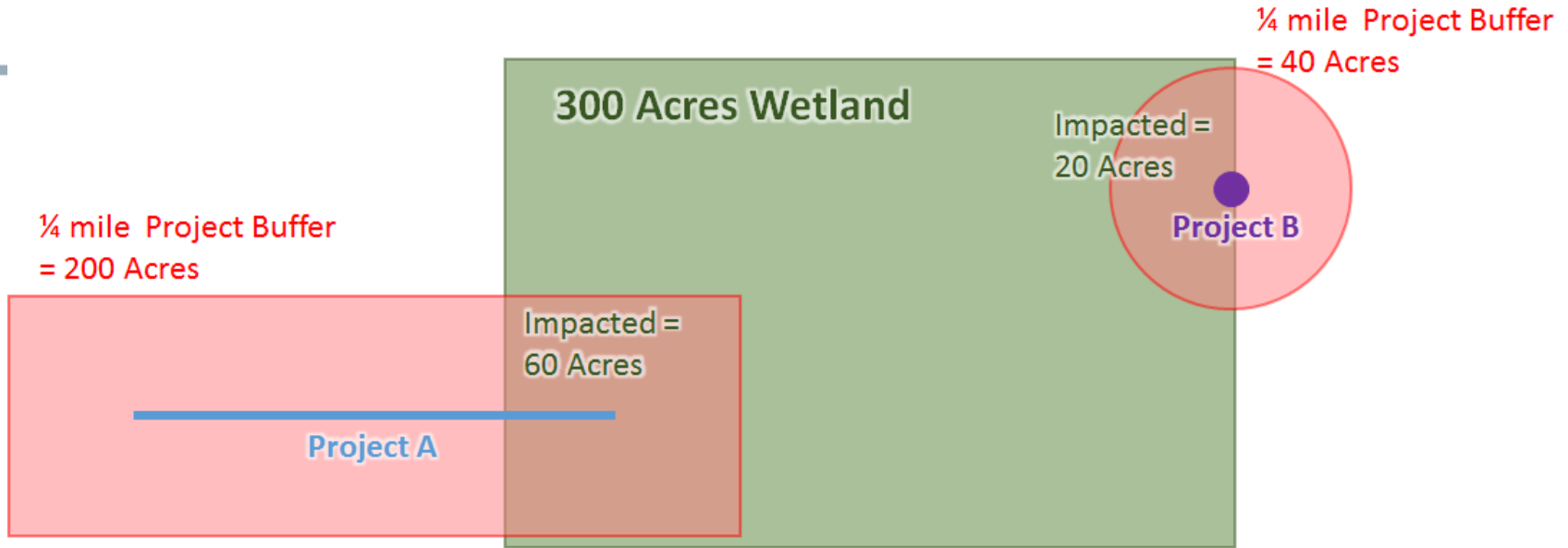


Environmental Resources Measure



- As part of QA/QC process, an error was identified in the E.2 measure calculation
- E.2 measure was not calculated in a manner consistent with December 2019 presentation on proposed method and process changes
- Board adopted changes to make measure subtractive - subtracting up to 5 points based on the total environmentally sensitive acreage within $\frac{1}{4}$ mile of project
- In previous rounds, the impacted acreage would be divided by the total acreage of $\frac{1}{4}$ -mile project buffer resulting in the Buffer Area Ratio
- Subtractive method was being applied to the Buffer Area Ratio instead of the total environmentally sensitive acreage, which was inconsistent with the changes adopted by the Board
- Error has been corrected and staff recommended funding scenario has been updated

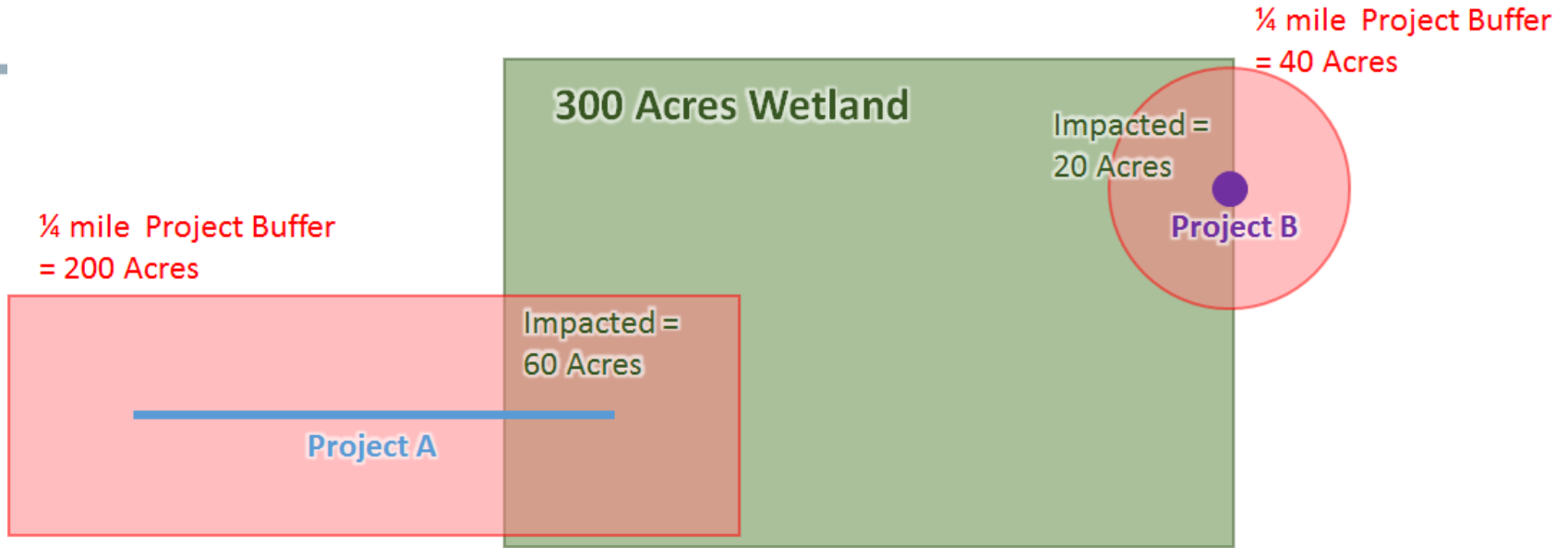
Calculate E.2 by Buffer Area Ratio



Project	Conservation	Species/ Habitat	Cultural Resources	Wetlands	Impacted Acres	Environmental Document Scale	Total Acres Scaled by Environmental Document	Project Buffer Acres	Final Total Ratio
A	0	0	0	60	60	EIS (50%)	30	200	0.15
B	0	0	0	60	20	EIS (50%)	10	40	0.25

Buffer Area Ratio Method - Project A has a better score than Project B, even though Project A impacts more environmentally sensitive acres

Calculate E.2 by Total Acres



Project	Conservation	Species/ Habitat	Cultural Resources	Wetlands	Impacted Acres	Environmental Document Scale	Total Acres Scaled by Environmental Document	Project Buffer Acres	Final Total Acres
A	0	0	0	60	60	EIS (50%)	30	200	30
B	0	0	0	60	20	EIS (50%)	10	40	10

Total Acres Impacted Method - Project B has a better score than Project A because less total environmentally sensitive acres are impacted

Impact of E2 Correction to Staff Funding Scenario



Projects Removed from Staff Recommended Funding Scenario

App ID	District	Applicant	Project Name
6859	Bristol	Bristol City	Widen US Route 11 Western Section
6875	Bristol	Big Stone Gap Town	Gilley Ave at Carter Street Turn Lanes
6900	Bristol	Wythe County	US 52 at Apache Run Realignment
6924	Bristol	Bluefield Town	College Avenue Access Management & Sidewalks
6984	Culpeper	Rappahannock - Rapidan Regional Commission	Route 29 and Lees Mill Road Intersection R-CUT
6711	Hampton Roads	Newport News City	Oyster Point Rd Improvements: Jefferson Ave to Operations Dr
7006	Hampton Roads	James City County	Airport Rd., Mooretown Rd. and Richmond Rd. Improvements
6940	Staunton	Woodstock Town	Route 42 - Ox Road Intersection Improvement
6941	Staunton	Woodstock Town	Route 42 Corridor - West

Projects Added to Staff Recommended Funding Scenario

App ID	District	Applicant	Project Name
6829	Bristol	Dickenson County	SR 83 at SR 637 Roundabout
6917	Bristol	Scott County	US 23 at US 58 Intersection Improvements
6927	Bristol	Smyth County	US Route 11 at Rifton Drive
6936	Bristol	Russell County	US 19 EB Super Elevation Improvements
6966	Bristol	Richlands Town	Realignment of 2nd Street Approach
6739	Fredericksburg	Fredericksburg City	US Rte 1 STARS-Rte 3 off-ramp/Spotsylvania Ave improvements
6796	Hampton Roads	Chesapeake City	Battlefield Blvd Continuous RTL: Volvo Pkwy to Walmart Way
7069	Hampton Roads	Suffolk Transit	Suffolk Seaboard Coastline Trail - Phase IIIA
6668	Richmond	Hanover County	Sliding Hill Road/Peaks Road Roundabout
6879	Salem	Roanoke Valley-Alleghany Regional Commission	Roadway Improvements on Rtes 220/613 (Naff Road)
7083	Salem	Pulaski County	Rte 11/Rte 114 Intersection Improvements Project
7084	Salem	Pulaski County	Route 11 Traffic Improvements Project - Pulaski County
6769	Staunton	Waynesboro City	Broad Street Streetscape
7165	Staunton	Winchester City	Pleasant Valley Road Access Management near Spring Street
7166	Staunton	Winchester City	Pleasant Valley Road Access Management at Parkview

Impact of E2 Correction to Staff Funding Scenario - Steps 1-3



District	DGP	HPP	Step 1				Step 2				Step 3			
			# Projects	Change	Amount DGP	Change	# Projects	Change	Amount HPP	Change	# Projects	Change	Amount HPP	Change
Bristol	\$72,874,917		15	+1	\$59,778,024	-\$2,415,197	1	0	\$16,816,599	\$0	0	0	\$0	\$0
Culpeper	\$114,263,855		12	0	\$108,832,672	\$0	6	0	\$43,758,643	\$0	1	-1	\$7,549,147	-\$6,804,947
Fredericksburg	\$69,734,141		8	+1	\$69,356,922	+\$9,533,717	3	0	\$30,365,852	\$0	1	0	\$9,762,553	\$0
Hampton Roads	\$120,056,782		15	0	\$74,968,096	-\$43,756,615	2	0	\$1,229,498	\$0	2	0	\$49,705,649	+\$21,150,755
Lynchburg	\$113,536,033		8	0	\$103,413,635	\$0	1	0	\$38,659,408	\$0	0	0	\$0	\$0
Northern Virginia	\$111,051,954		8	0	\$106,947,403	\$0	0	0	\$0	\$0	3	0	\$113,921,809	\$0
Richmond	\$121,983,944		15	+1	\$114,990,509	+\$7,501,326	3	0	\$45,599,353	-\$1,728,484	1	0	\$17,168,958	+\$1,728,485
Salem	\$105,429,871		23	+2	\$104,432,275	+\$5,450,856	6	+1	\$38,331,470	+\$5,866,387	0	0	\$0	\$0
Staunton	\$54,732,937		13	+1	\$53,719,501	+\$493,859	8	0	\$27,092,335	\$0	0	0	\$0	\$0
Multi			0	0	\$0	\$0	0	0	\$0	\$0	1	0	\$50,000,000	\$0
Total	\$883,664,434	\$490,693,722	117	+6	\$796,439,036	-\$23,192,054	30	+1	\$241,853,158	+\$4,137,903	9	-1	\$248,108,116	+\$16,074,292

Impact of E2 Correction to Staff Funding Scenario - Total/Remaining



District	DGP	HPP	# Projects	Total				Remaining			
				# Projects	Change	Funding	Change	DGP	Change	HPP	Change
Bristol	\$72,874,917		0	16	+1	\$76,594,623	-\$2,415,197	\$13,096,893	+\$2,415,197		
Culpeper	\$114,263,855		1	19	-1	\$160,140,462	-\$6,804,947	\$5,431,183	\$0		
Fredericksburg	\$69,734,141		1	12	+1	\$109,485,328	+\$9,533,717	\$377,219	-\$9,533,717		
Hampton Roads	\$120,056,782		2	19	0	\$125,903,243	-\$22,605,860	\$45,088,686	+\$43,756,615		
Lynchburg	\$113,536,033		0	9	0	\$142,073,043	\$0	\$10,122,399	\$0		
Northern Virginia	\$111,051,954		3	11	0	\$220,869,211	\$0	\$4,104,551	\$0		
Richmond	\$121,983,944		1	19	+1	\$177,758,820	+\$7,501,326	\$6,993,435	-\$7,501,326		
Salem	\$105,429,871		0	29	+3	\$142,763,745	+\$11,317,243	\$997,596	-\$5,450,856		
Staunton	\$54,732,937		0	21	+1	\$80,811,836	+\$493,859	\$1,013,436	-\$493,859		
Multi			1	1	0	\$50,000,000	\$0	\$0	\$0		
Total	\$883,664,434	\$490,693,722	9	156	+6	\$1,286,400,310	-\$2,979,859	\$87,225,398	+\$23,192,054	\$732,448	-\$20,212,195

Next Steps



- Corrected scoring spreadsheets, scorecards and funding scenario will be uploaded to website
- Notification will be sent to applicant community
- OIPI will schedule meetings with individual Board members and Districts/DRPT in coming weeks to discuss funding scenario
- Schedule spring transportation hearings to solicit feedback from public