2016 Stormwater Facility Credit Program (SFCP) Credit Calculator: For Facilities Built According to 2016 Seattle Code Requirements

Version: 11-10-16

	er:			Performance Factors				Facility Credit			
% Hard Surface Area Managed (see note 1)	WQ/FC Classification	Stormwater Facility Type			TSS Reduction	Runoff Volume Reduction	Duration Reduction	25-yr Peak Flow Reduction	Performance Factor (see note 2)	Facility Credit (see note 3)	Facility Credit (see note 4)
,		eterminates a demisy a type							Credit Scaling Factor=	50%	,
Vater Quality (WQ)								·			
esign Standard: Treatment of											
Basin types: Basins requiring b	asic, enhanced, or ph	nosphorus treatment		Weighting Factor=	60%	40%	0%	0%			
		Non-infiltrating bioretention Diefilestics and the discount of the state o	Basic or large sand filter basin	Stormwater treatment wetland							
0%	WQ- Level 1	 Biofiltration swale (basic, wet, continuous inflow, or compost amended) 	Sand filter vault Linear sand filter	Detention/wet pond Detention/wet vault	81%	20%	NA	NA	57%	29%	0%
		Filter strip (basic or compost amended)	• Wet pond	Detention/stormwater wetland					51,70		
		Media filter drain Infiltration trench	Wet vault Permeable pavement surface	Proprietary BMPs Splashblock, trench, sheet flow, or							
0%	WQ- Level 2	Infiltrating bioretention	Infiltration basin	concentrated flow dispersion meeting basic	94%	94%	NA	NA	94%	47%	0%
		Permeable pavement facility	Infiltration chamber	filter strip requirements							
low Control #1 (FC#1) - On-site											
esign Standard: On-site Perfo	mance Standard or C	On-site List Approach									
asin types: All	1			Weighting Factor=	15%	35%	40%	10%	Ī	Ī	
0%	FC#1- Level 1	Single-family residential cistern Perforated stub-out connection			13%	10%	11%	27%	13%	7%	0%
0%	FC#1- Level 2	Vegetated roof	Concentrated flow dispersion	Trench downspout dispersion	58%	25%	60%	70%	48%	24%	0%
0 /6	I O# I- LEVEI Z	Sheet flow dispersion	Splashblock downspout dispersion	Non-infiltrating bioretention	50%	2070	00%	1070	40 /0	47 /0	0 /6
0%	FC#1- Level 3	Rain garden Infiltrating bioretention	Permeable pavement facility Permeable pavement surface	Rainwater harvesting	95%	90%	83%	28%	82%	41%	0%
0%	FC#1- Level 4	Full dispersion	• Dry well		98%	93%	89%	52%	88%	44%	0%
		Infiltration trench	- Dry Well		9078	9376	0978	JZ /0	00 /6	44 /6	0 78
Flow Control #2 (FC#2) - Wetlan											
	olume within 20 perce	ent of the pre-project volume du	ring a single event and within 1:								
Basin types: Wetlands		a Venetated veets		Weighting Factor=	15%	30%	30%	25%			
0%	FC#2- Level 1	Vegetated roofs Detention cistern	Detention pipe	Detention/ wet pond Detention/ wet vault	55%	0%	57%	82%	46%	23%	0%
	1 0 1 2 2 3 3 3 3	Detention vault	Detention pond (with impermeable liner)	Detention/ stormwater wetland		0,0	0.70	0270	1070	2070	
0%	FC#2- Level 2	Sheet flow dispersion Concentrated flow dispersion	Splashblock downspout dispersion	Permeable pavement facility Permeable pavement surface	96%	84%	89%	40%	76%	38%	0%
		Infiltrating bioretention	Trench downspout dispersion								
0%	FC#2- Level 3	Full dispersion	Dry well Infiltration chamber	Infiltration basin Rainwater harvesting	99%	99%	96%	61%	89%	45%	0%
O	relevant Ferrestant	Infiltration trench	tation on an action	. tail.trate. har reeiing							
low Control #3 (FC#3) - Pre-de		tion to forested condition									
Design Standard: Match half 2- ₎ Basin types: Creek basins	rear to 50-year flow o	uration to forested condition		Moighting Footon	459/	200/	200/	250/			
basiii types. Greek basiiis	_	Vegetated roofs		• Detention/ wet pond	15%	30%	30%	25%	1		
0%			Detention pipe	Detention/ wet point Detention/ wet vault	55%	3%	46%	93%	46%	000/	
0%	FC#3- Level 1	Detention cistern		Detention/ wet vauit	55%					23%	0%
0%	FC#3- Level 1	Detention cistern Detention vault	Detention pond (with impermeable liner)	Detention/ stormwater wetland	55%	0,0				23%	0%
0%	FC#3- Level 1 FC#3- Level 2	Detention cistern Detention vault Sheet flow dispersion	Detention pond (with impermeable liner) Splashblock downspout dispersion	Detention/ stormwater wetland Permeable pavement facility	94%	82%	87%	40%	75%	38%	0%
		Detention cistern Detention vault	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface			87%	40%	75%		
		Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin			87% 97%	40%	75% 93%		
0%	FC#3- Level 2 FC#3- Level 3	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface	94%	82%				38%	0%
0% 0% Flow Control #4 (FC#4) - Pre-de	FC#3- Level 2 FC#3- Level 3	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion Infiltration trench	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin	94%	82%				38%	0%
0% Flow Control #4 (FC#4) - Pre-de Design Standard: Match half 2-y	FC#3- Level 2 FC#3- Level 3	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion Infiltration trench	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting	94%	82% 100%	97%	77%		38%	0%
0% Flow Control #4 (FC#4) - Pre-de Design Standard: Match half 2-y	FC#3- Level 2 FC#3- Level 3	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion Infiltration trench ration to pasture condition	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting Factor=	94%	82%				38%	0%
0% Flow Control #4 (FC#4) - Pre-de Design Standard: Match half 2-y	FC#3- Level 2 FC#3- Level 3	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion Infiltration trench ration to pasture condition Vegetated roofs Detention cistern	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pipe	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting Factor= Detention/ wet pond Detention/ wet vault	94%	82% 100%	97%	77%		38%	0%
0% 0% Flow Control #4 (FC#4) - Pre-de Design Standard: Match half 2-y Basin types: Creek basins 0%	FC#3- Level 2 FC#3- Level 3 veloped Pasture rear to 2-year flow du	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion Infiltration trench ration to pasture condition Vegetated roofs Detention cistern Detention vault	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pipe Detention pond (with impermeable liner)	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting Factor= Detention/ wet pond Detention/ wet vault Detention/ stormwater wetland	94% 100% 15% 55%	82% 100% 30% 0%	97% 45% 57%	77% 10% 82%	93%	38% 47% 21%	0%
0% 0% Flow Control #4 (FC#4) - Pre-de Design Standard: Match half 2-y Basin types: Creek basins	FC#3- Level 2 FC#3- Level 3 veloped Pasture rear to 2-year flow du	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion Infiltration trench ration to pasture condition Vegetated roofs Detention cistern Detention vault Sheet flow dispersion	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pipe Detention pond (with impermeable liner) Splashblock downspout dispersion	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting Factor= Detention/ wet pond Detention/ wet vault Permeable pavement facility	94% 100%	82% 100% 30%	97% 45%	77%	93%	38% 47%	0%
0% 0% Flow Control #4 (FC#4) - Pre-de Design Standard: Match half 2-y Basin types: Creek basins 0% 0%	FC#3- Level 2 FC#3- Level 3 veloped Pasture vear to 2-year flow du FC#4- Level 1 FC#4- Level 2	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Infiltrating bioretention Infiltration trench ration to pasture condition Vegetated roofs Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Infiltrating bioretention	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pipe Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting Factor= Detention/ wet pond Detention/ wet vault Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface	94% 100% 15% 55% 96%	82% 100% 30% 0% 84%	97% 45% 57% 89%	77% 10% 82% 40%	93% 42% 84%	38% 47% 21% 42%	0% 0% 0%
0% 0% Flow Control #4 (FC#4) - Pre-de Design Standard: Match half 2-y Basin types: Creek basins 0%	FC#3- Level 2 FC#3- Level 3 veloped Pasture rear to 2-year flow du FC#4- Level 1	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Infiltrating bioretention Infiltration trench ration to pasture condition Vegetated roofs Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion Full dispersion	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pipe Detention pond (with impermeable liner) Splashblock downspout dispersion	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting Factor= Detention/ wet pond Detention/ wet vault Permeable pavement facility	94% 100% 15% 55%	82% 100% 30% 0%	97% 45% 57%	77% 10% 82%	93%	38% 47% 21%	0%
0% 0% Flow Control #4 (FC#4) - Pre-de Design Standard: Match half 2-y Basin types: Creek basins 0% 0%	FC#3- Level 2 FC#3- Level 3 veloped Pasture rear to 2-year flow du FC#4- Level 1 FC#4- Level 2 FC#4- Level 3	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Infiltrating bioretention Infiltration trench ration to pasture condition Vegetated roofs Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Infiltrating bioretention	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pipe Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting Factor= Detention/ wet pond Detention/ wet vault Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin	94% 100% 15% 55% 96%	82% 100% 30% 0% 84%	97% 45% 57% 89%	77% 10% 82% 40%	93% 42% 84%	38% 47% 21% 42%	0% 0% 0%
0% 0% Flow Control #4 (FC#4) - Pre-de Design Standard: Match half 2-) Basin types: Creek basins 0% 0% 0%	FC#3- Level 2 FC#3- Level 3 veloped Pasture rear to 2-year flow du FC#4- Level 1 FC#4- Level 2 FC#4- Level 3 ontrol	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Infiltrating bioretention Infiltration trench ration to pasture condition Vegetated roofs Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion Full dispersion	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pipe Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting Factor= Detention/ wet pond Detention/ wet vault Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin	94% 100% 15% 55% 96%	82% 100% 30% 0% 84%	97% 45% 57% 89%	77% 10% 82% 40%	93% 42% 84%	38% 47% 21% 42%	0% 0% 0%
0% 0% Flow Control #4 (FC#4) - Pre-de Design Standard: Match half 2-y Basin types: Creek basins 0% 0% 0% Elow Control #5 (FC#5) - Peak College Standard: 2- and 25-yea	FC#3- Level 2 FC#3- Level 3 veloped Pasture rear to 2-year flow du FC#4- Level 1 FC#4- Level 2 FC#4- Level 3 ontrol r peak control	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion Infiltration trench Vegetated roofs Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion Infiltrating bioretention Full dispersion Infiltration trench	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pipe Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting Factors Detention/ wet pond Detention/ wet vault Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting	94% 100% 15% 55% 96% 99%	82% 100% 30% 0% 84% 99%	97% 45% 57% 89% 96%	77% 10% 82% 40% 61%	93% 42% 84%	38% 47% 21% 42%	0% 0% 0%
0% 0% Flow Control #4 (FC#4) - Pre-de Design Standard: Match half 2-y Basin types: Creek basins 0% 0%	FC#3- Level 2 FC#3- Level 3 veloped Pasture rear to 2-year flow du FC#4- Level 1 FC#4- Level 2 FC#4- Level 3 ontrol r peak control	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion Infiltration trench Vegetated roofs Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion Infiltrating bioretention Full dispersion Infiltration trench	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pipe Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting Factor= Detention/ wet pond Detention/ wet vault Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin	94% 100% 15% 55% 96%	82% 100% 30% 0% 84%	97% 45% 57% 89%	77% 10% 82% 40%	93% 42% 84%	38% 47% 21% 42%	0% 0% 0%
0% 0% Flow Control #4 (FC#4) - Pre-de Design Standard: Match half 2-y Basin types: Creek basins 0% 0% 0% Elow Control #5 (FC#5) - Peak College Standard: 2- and 25-yea	FC#3- Level 2 FC#3- Level 3 veloped Pasture rear to 2-year flow du FC#4- Level 1 FC#4- Level 2 FC#4- Level 3 ontrol r peak control	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion Infiltration trench Vegetated roofs Detention cistern Detention vault Sheet flow dispersion Infiltrating bioretention Infiltration trench Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Infiltration trench Pull dispersion Infiltration trench Pained, small lakes Detention cistern Detention cistern Detention vault	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pipe Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Infiltration chamber Detention pond (with impermeable liner) Detention pond (with impermeable liner)	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting Factor= Detention/ wet pond Detention/ wet vault Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting= Detention/ stormwater wetland Non-infiltrating bioretention	94% 100% 15% 55% 96% 99%	82% 100% 30% 0% 84% 99%	97% 45% 57% 89% 96%	77% 10% 82% 40% 61%	93% 42% 84%	38% 47% 21% 42%	0% 0% 0%
0% 10w Control #4 (FC#4) - Pre-de Design Standard: Match half 2-yeasin types: Creek basins 0% 0% 0% 0% 0% Elow Control #5 (FC#5) - Peak Colleging Standard: 2- and 25-yeasins types: Public combined seasin types: Public combined season types:	FC#3- Level 2 FC#3- Level 3 veloped Pasture rear to 2-year flow du FC#4- Level 1 FC#4- Level 2 FC#4- Level 3 ontrol r peak control ewer, capacity-const	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Infiltrating bioretention Infiltration trench ration to pasture condition Vegetated roofs Detention cistern Detention vault Sheet flow dispersion Infiltrating bioretention Infiltrating bioretention Infiltrating bioretention Full dispersion Infiltrating tioretention Full dispersion Infiltration trench rained, small lakes Detention vault Detention vault Detention vault Detention pipe	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pipe Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Trench downspout dispersion Infiltration chamber Detention pond (with impermeable liner) Detention wet pond Detention/ wet youd Detention/ wet yoult	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting Factor= Detention/ wet pond Detention/ wet vault Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting= Detention/ stormwater wetland Non-infiltrating bioretention Vegetated roofs	94% 100% 15% 55% 96% 99%	82% 100% 30% 0% 84% 99%	97% 45% 57% 89% 96%	77% 10% 82% 40% 61%	93% 42% 84% 94%	38% 47% 21% 42% 47%	0% 0% 0% 0%
0% 0% Flow Control #4 (FC#4) - Pre-de Design Standard: Match half 2-y Basin types: Creek basins 0% 0% 0% 0% Elow Control #5 (FC#5) - Peak Co Design Standard: 2- and 25-yea Basin types: Public combined s	FC#3- Level 2 FC#3- Level 3 veloped Pasture rear to 2-year flow du FC#4- Level 1 FC#4- Level 2 FC#4- Level 3 ontrol r peak control ewer, capacity-const	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Infiltrating bioretention Infiltration trench Vegetated roofs Detention cistern Detention vault Sheet flow dispersion Infiltrating bioretention Infiltration trench Public flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion Infiltration trench Public flow flow flow flow flow flow flow flow	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pipe Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pond (with impermeable liner) Detention well Detention pond (with impermeable liner) Detention/ wet youd Detention/ wet youd Splashblock downspout dispersion	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting Factor= Detention/ wet pond Detention/ wet vault Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting= Detention/ stormwater wetland Non-infiltrating bioretention Vegetated roofs Permeable pavement facility	94% 100% 15% 55% 96% 99%	82% 100% 30% 0% 84% 99%	97% 45% 57% 89% 96%	77% 10% 82% 40% 61%	93% 42% 84% 94%	38% 47% 21% 42% 47%	0% 0% 0% 0%
0% Clow Control #4 (FC#4) - Pre-de Design Standard: Match half 2-y Basin types: Creek basins 0% 0% 0% Elow Control #5 (FC#5) - Peak Co Design Standard: 2- and 25-yea Basin types: Public combined s 0% 0%	FC#3- Level 2 FC#3- Level 3 veloped Pasture ear to 2-year flow du FC#4- Level 1 FC#4- Level 2 FC#4- Level 3 ontrol r peak control ewer, capacity-const	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Infiltrating bioretention Infiltration trench ration to pasture condition Vegetated roofs Detention cistern Detention vault Sheet flow dispersion Infiltrating bioretention Infiltrating bioretention Infiltrating bioretention Full dispersion Infiltrating tioretention Full dispersion Infiltration trench rained, small lakes Detention vault Detention vault Detention vault Detention pipe	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pipe Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pond (with impermeable liner) Detention well pond Detention well pond Detention/ wet yoult Splashblock downspout dispersion Trench downspout dispersion Trench downspout dispersion Trench downspout dispersion	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting Factor= Detention/ wet pond Detention/ wet vault Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting= Weighting= Oetention/ stormwater wetland Non-infiltrating bioretention Vegetated roofs Permeable pavement facility Permeable pavement surface	94% 100% 15% 55% 96% 99% NA	82% 100% 30% 0% 84% 99%	97% 45% 57% 89% 96% 40%	77% 10% 82% 40% 61% 35% 80%	93% 42% 84% 94%	38% 47% 21% 42% 47%	0% 0% 0% 0%
0% low Control #4 (FC#4) - Pre-de esign Standard: Match half 2-y asin types: Creek basins 0% 0% 0% low Control #5 (FC#5) - Peak O esign Standard: 2- and 25-yea asin types: Public combined s	FC#3- Level 2 FC#3- Level 3 veloped Pasture ear to 2-year flow du FC#4- Level 1 FC#4- Level 2 FC#4- Level 3 ontrol r peak control ewer, capacity-const	Detention cistern Detention vault Sheet flow dispersion Concentrated flow dispersion Infiltrating bioretention Full dispersion Infiltration trench Vegetated roofs Detention cistern Detention vault Sheet flow dispersion Infiltrating bioretention Infiltration trench Patention vault Sheet flow dispersion Infiltrating bioretention Full dispersion Infiltrating trench Petention trench Patention trench Patention trench Patention cistern Detention vault Detention pipe Sheet flow dispersion Concentrated flow dispersion Detention pipe Sheet flow dispersion Concentrated flow dispersion Concentrated flow dispersion	Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pipe Detention pond (with impermeable liner) Splashblock downspout dispersion Trench downspout dispersion Dry well Infiltration chamber Detention pond (with impermeable liner) Detention well Detention pond (with impermeable liner) Detention/ wet youd Detention/ wet youd Splashblock downspout dispersion	Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting Factor= Detention/ wet pond Detention/ wet vault Detention/ stormwater wetland Permeable pavement facility Permeable pavement surface Infiltration basin Rainwater harvesting Weighting= Detention/ stormwater wetland Non-infiltrating bioretention Vegetated roofs Permeable pavement facility	94% 100% 15% 55% 96% 99%	82% 100% 30% 0% 84% 99%	97% 45% 57% 89% 96% 40%	77% 10% 82% 40% 61% 35% 80%	93% 42% 84% 94%	38% 47% 21% 42% 47%	0% 0% 0% 0%

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Final Parcel Credit Calculation	
Total Facility Credit	0%
Rate Tier Multiplier (see note 5)	0%
Final Parcel Credit (see note 6)	0%

Notes:

- 1) For the water quality standard, enter PGHS treated as a percent of the total hard surface area. For the flow control standard(s), enter hard surface area managed as a percent of the total hard surface area.
- 2) The "Weighted Performance Factor" is the weighted average of the performance factors for a given facility and performance standard. "Weighting Factors" assign greater or lesser weight to each performance factor relative to the environmental priorities for the type of basin in which the project is located.
- 3) The "Facility Credit" is the "Weighted Performance Factor" multiplied by 50%.
- 4) The "Adjusted Facility Credit" is the "Facility Credit" multiplied by the "% Hard Surface Managed" by the facility.
- 5) The "Drainage Rate Tier Multiplier" is the percentage of the customer's bill attributable to hard surface area runoff. Credit is only offered for runoff managed which originates on hard surface.
- 6) The "Final Parcel Credit" is the "Drainage Rate Tier Multiplier" multiplied by the sum of a property's "Adjusted Facility Credits" (i.e., the "Total Adjusted Facility Credit").
- The final parcel credit is capped at 50%. The "Final Parcel Credit" is the credit percentage applied to the customer bill.
- 7) Fractional credits are not offered no credit will be offered for credits that are calculated to round to less than 1%.
- 8) Applicable standards will depend on project type, size, and drainage basin (see Volume I, Chapter 4 and 5).
- 9) TSS is used as an indicator of water quality treatment; Volume is used as an indicator of volume reduction via infiltration or reuse.
- 10) If multiple flow control standards apply to a project, the largest applicable credit is applied (e.g., if an area is mitigated for FC#1, FC#4 and FC#5, enter the % hard surface managed under the flow control standard that provides the highest credit for the facility used).
- 11) If both flow control and water quality standards apply to a project, credit will be given for both (e.g., if an area meets both treatment and flow control standards, enter the % hard surface managed under both the water quality and flow control standards- the resulting "% Hard Surface Managed" may exceed 100%).

Drainage Rate Category		% Impervious or Parcel Area	Drainage Rate Tier	Drainage Rate Multiplier (see note 5)
General Service/Large Residential	Undeveloped-Regular	0-15%	G1	30%
	Undeveloped-Low Impact	0-15%	G1L	23%
	Light-Regular	16-35%	G2	63%
	Light-Low Impact	16-35%	G2L	62%
	Moderate-Regular	36-65%	G3	83%
	Moderate-Low Impact	36-65%	G3L	79%
	Heavy	66-85%	G4	93%
	Very Heavy	86-100%	G5	99%
Small Residential		<2,000 sq ft	R1a	85%
		2,000-2,999 sq ft	R1b	84%
		3,000-4,999 sq ft	R2	79%
		5,000-6,999 sq ft	R3	78%
		7,000-9,999 sq ft	R4	74%

Stormwater Facility Credit

Tier/% Lookup Table to convert impervious area impacts of facility to composite Rate Credit Percentage.

Rate Credit that will appear on and modify bills, reflecting stormwater facilities and Rate Tier.

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