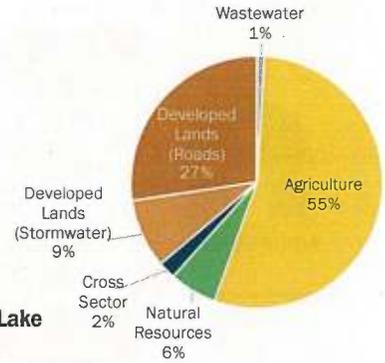




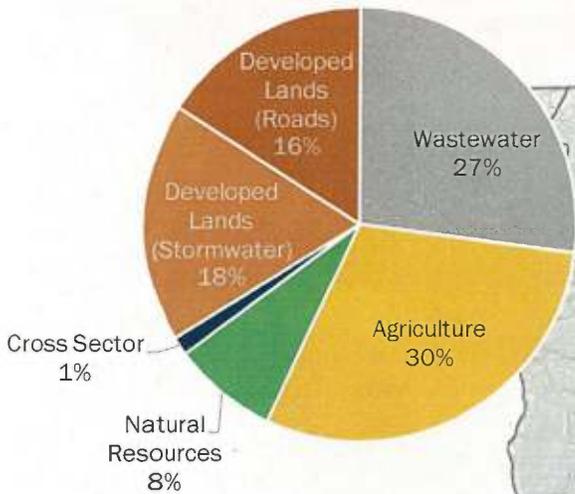
# Vermont's Clean Water Investments

Dollars awarded by State of Vermont agencies to clean water projects, SFY 2016-2019. See report Part 1, "Vermont's Clean Water Investments" for more information.

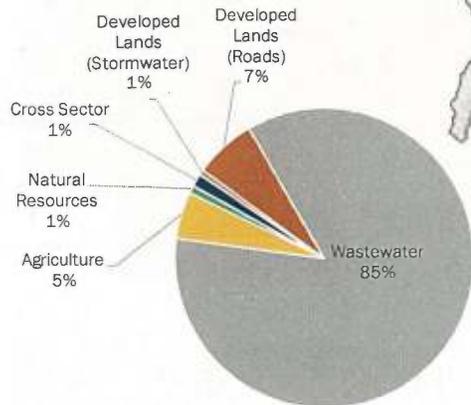
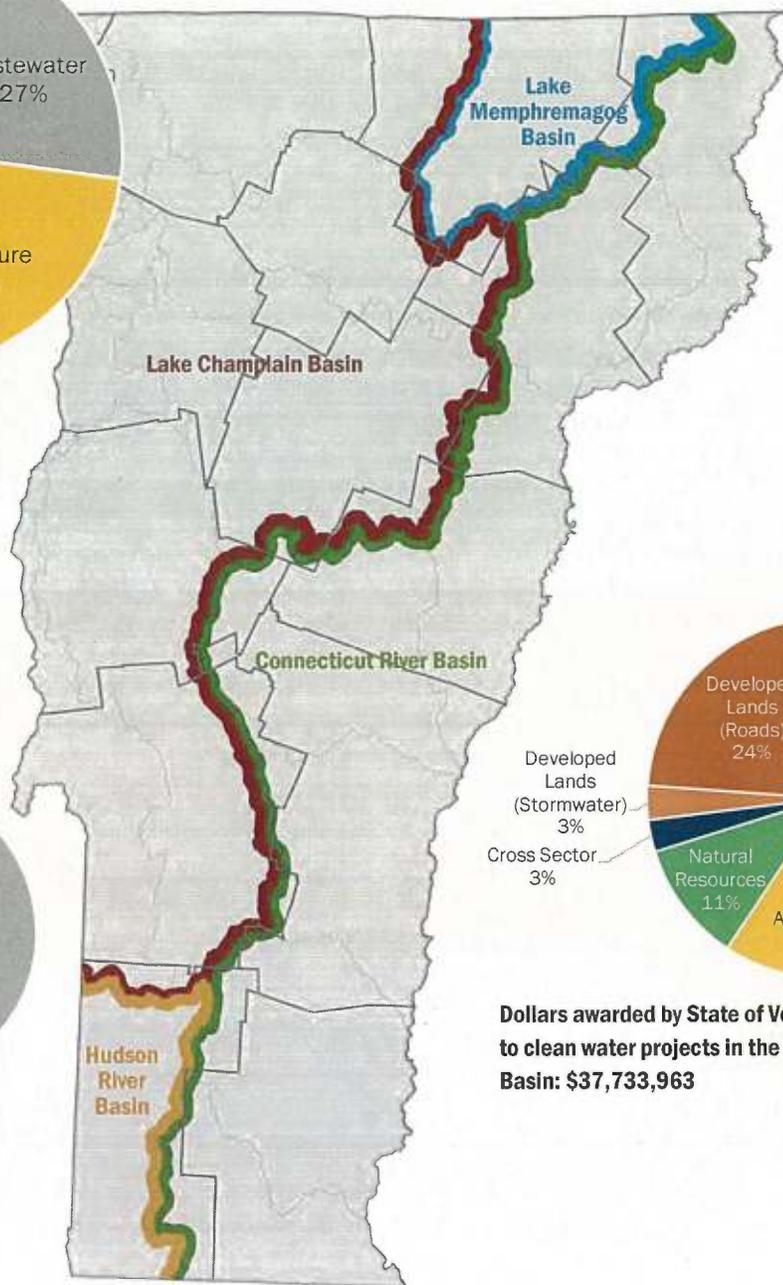
**\$138 million**  
Awarded by State of Vermont agencies to clean water projects, SFY 2016-2019



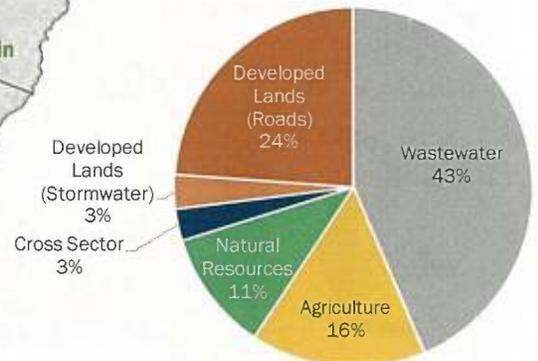
Dollars awarded by State of Vermont agencies to clean water projects in the Lake Memphremagog basin: \$4,702,092



Dollars awarded by State of Vermont agencies to clean water projects in the Lake Champlain basin: \$84,434,341



Dollars awarded by State of Vermont agencies to clean water projects in the Hudson River basin: \$11,300,091



Dollars awarded by State of Vermont agencies to clean water projects in the Connecticut River Basin: \$37,733,963

# Results of Vermont's Clean Water Investments



Results of clean water projects funded by State of Vermont agencies, completed SFY 2016–2019, by sector. See report Part 1, “Results of Vermont’s Clean Water Investments” for more information.



## AGRICULTURE

AGRICULTURE PROJECT OUTPUTS	2016	2017	2018	2019	TOTAL
Acres of agricultural land treated by conservation practices	5,466	3,261	7,908	10,678	27,313
Acres of agricultural land treated by forest and grass buffers	258	200	228	–	686
Acres of pasture with livestock excluded from surface waters	258	117	97	–	472
Number of barnyard and production area practices installed	57	90	85	52	284
Acres of water quality protections within newly conserved agricultural lands	–	116	200	482	798
Estimated acres of agricultural land treated through equipment	–	2,043	6,594	7,765	16,402
AGRICULTURE POLLUTANT REDUCTION	2016	2017	2018	2019	
Total phosphorus load reduction (kilograms per year)	713	853	1,352	2,698	



## NATURAL RESOURCES

NATURAL RESOURCES PROJECT OUTPUTS	2016	2017	2018	2019	TOTAL
Acres of forested riparian buffer restored through buffer planting	85	32	59	64	240
Acres of riparian corridor conserved and restored through easements	141	208	222	5	576
Acres of floodplain restored	–	2	4	1	7
Acres of lakeshore restored	0.2	–	9	1	10
Stream miles reconnected for stream equilibrium/fish passage	35	100	108	113	356
Acres of wetland conserved and restored through easements	–	131	44	47	222
Acres of forestland conserved with water quality protections	58	172	598	110	938
Miles of forest road drainage and erosion control improvements	–	0.8	–	8	9
Number of stream crossings improved	–	–	1	19	20
Square feet of gully erosion remediated	–	–	50,668	135	50,803
NATURAL RESOURCES POLLUTANT REDUCTION	2016	2017	2018	2019	
Total phosphorus load reduction (kilograms per year)	54	120	230	276	



## DEVELOPED LANDS



## ROADS

DEVELOPED LANDS AND ROADS PROJECT OUTPUTS	2016	2017	2018	2019	TOTAL
Acres of existing impervious surface treated by stormwater practices	0.2	87	28	107	222
Miles of municipal road drainage and erosion control improvements	1	12	68	88	169
Number of municipal road drainage and stream culverts replaced	–	106	137	254	497
Cubic yards of Class IV road gully erosion remediated	–	–	260	33	293
Cubic yards of catch basin outlet erosion remediated	–	–	1	784	785
Acres stabilized through use of hydroseeder/mulcher equipment per year	–	–	19	98	117
DEVELOPED LANDS AND ROADS POLLUTANT REDUCTION	2016	2017	2018	2019	
Total phosphorus load reduction (kilograms per year)	4	38	134	291	



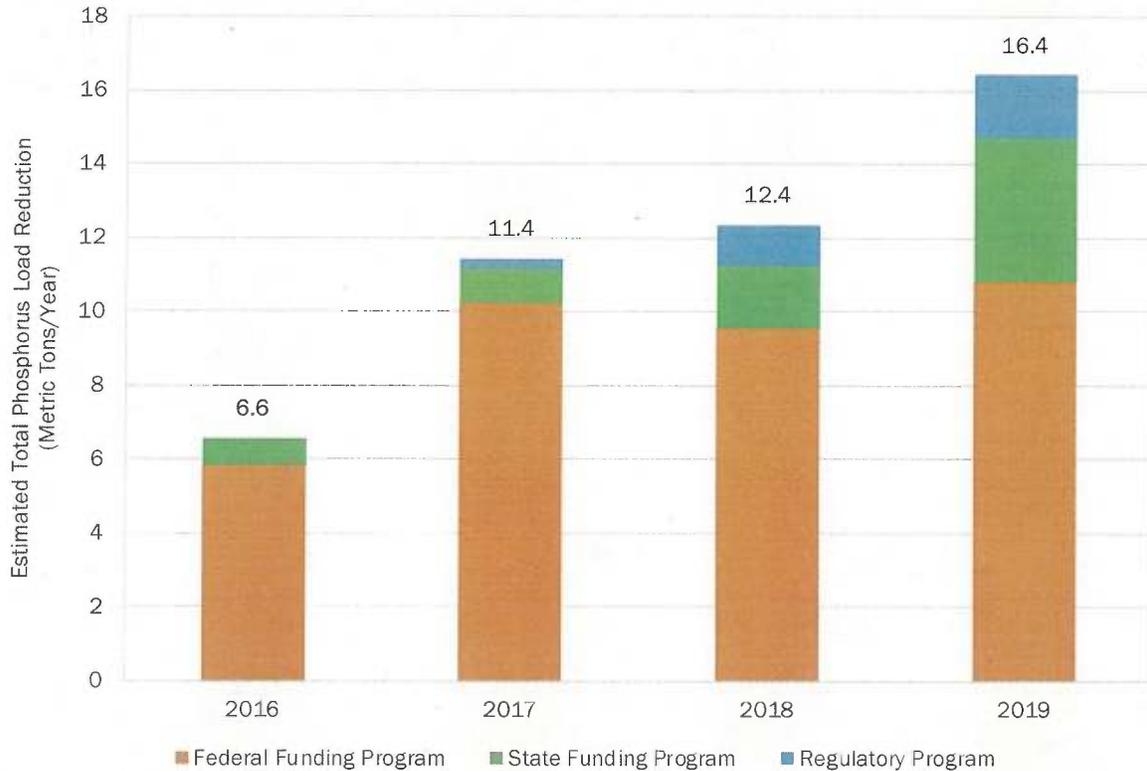
## WASTEWATER

WASTEWATER PROJECT OUTPUTS	2016	2017	2018	2019	TOTAL
Number of combined sewer overflow abatements completed	4	1	–	–	5
Number of sewer extensions completed	–	2	–	–	2
Number of wastewater collection systems refurbished	–	2	2	2	6
Number of wastewater treatment facilities refurbished	–	–	1	3	4
Number of wastewater treatment facility upgrades completed	1	–	–	–	1

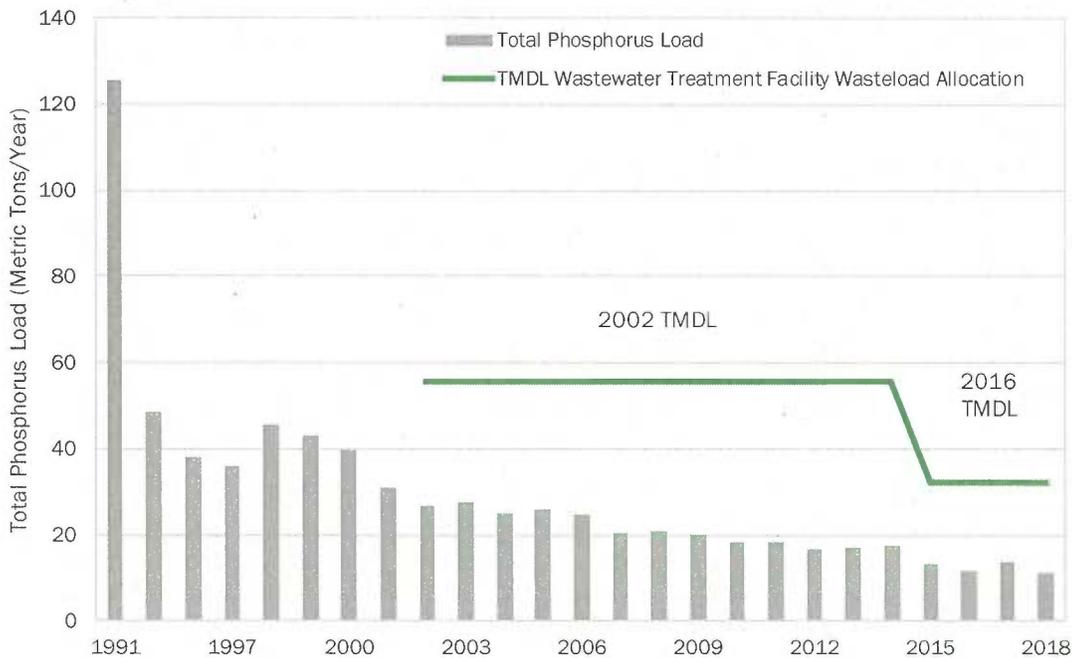


# Lake Champlain Progress Report

Annual average estimated total phosphorus load reduction (metric tons per year) achieved by clean water projects that support implementation of the Lake Champlain Total Maximum Daily Load (TMDL), by program category (i.e., federal funding programs, state funding programs, and regulatory programs) completed SFY 2016-2019. See report Part 2 "Lake Champlain Progress" for more information.\*



**Total phosphorus load (metric tons per year) from Vermont wastewater treatment facilities draining to Lake Champlain relative to TMDL wastewater treatment facility wasteload allocation, calendar year 1991-2018. See report Part 2 "Lake Champlain Progress" for more information.**



\* Federal funding programs through U.S. Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS) agricultural practice data represent practices applied July 1, 2015 (beginning of SFY 2016) through December 31, 2018 (halfway through SFY 2019). Practice data for the remainder of SFY 2019 will be provided next year in the SFY 2020 Annual Performance Report.

