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Minnesota Pollution Control Agency

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<https://www.pca.state.mn.us/>

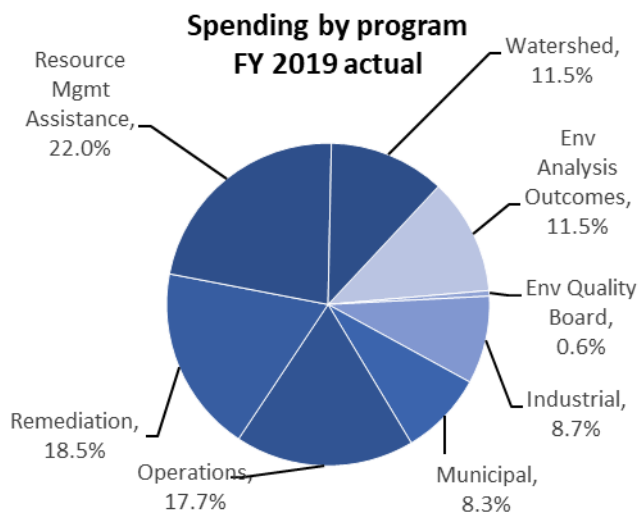
AT A GLANCE

- 858 employees in FY20: 626 in Saint Paul and 232 in seven regional offices; 10 are student workers or seasonal employees.
- Protect and improve the environment and human health by issuing more than 16,700 permits that include environmental standards to avoid or limit pollution.
- Monitor the condition of air, ground and surface water, and land at more than 2,320 sites.
- Inspect and license more than 40,000 sites that involve hazardous waste, feedlots, and storage tanks.
- Eco Experience received awards in 2016 for Bagnado (tornado of bags) display from the Minnesota Association of Government Communicators and the International Associations of Business Communicators.
- Achieved the Malcolm Baldrige Quality Award in recognition of performance excellence in FY20, the only Minnesota agency ever to receive such an award.
- Offer 88 online e-services with more launching each year.
- Awarded 77 grants for \$9.82 million to replace old diesel engines with new cleaner models and install electric vehicle charging stations from the Volkswagen Environmental Settlement.
- Recognized by Environmental Council of States and National Public Radio for transparency regarding Regulatory Flexibility website developed in response to COVID-19 pandemic.

PURPOSE

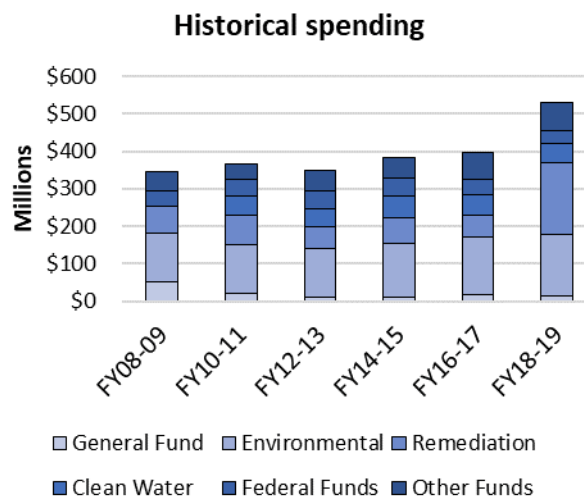
The Minnesota Pollution Control Agency (MPCA) monitors environmental quality, offers technical and financial assistance, and enforces environmental regulations. MPCA finds and cleans up spills or leaks that can affect human health and the environment. MPCA develops statewide policy, supports environmental education, and helps ensure pollution does not have a disproportionate impact on any group of citizens. MPCA's mission is to protect and improve the environment and human health.

BUDGET



Budget structure changed in FY18 from programs to divisions

Source: Budget Planning and Analysis System (BPAS)



Source: Consolidated Fund Statement

*Note: The significant increase in spending for FY18-19 is related to a \$125 million legal expense for the East Metro 3M challenges.

MPCA's budget is funded from multiple state government funds and federal grants. The funding MPCA has received from the general fund has decreased over this 12-year timeframe from 9 percent in FY12/13 to 3 percent in FY18/19. In the last biennium, MPCA expenses by fund included environmental (31 percent), remediation (37 percent), clean water (9 percent), and federal (7 percent). All other state funds make up the remaining 16 percent. The Clean Water Fund is a legacy fund created when voters passed a constitutional amendment in November 2008.

STRATEGIES

Limiting pollution caused by businesses, organizations, and individuals is fundamental to MPCA's mission. The MPCA develops and enforces regulations and provides education and technical assistance to help meet these regulations. Increasingly, MPCA's focus is on preventing pollution rather than just controlling or cleaning it up.

MPCA works with many partners—citizens, communities, businesses, government, environmental groups, and educators—to prevent pollution and conserve resources. These partnerships allow MPCA to:

- Foster greater commitment and personal responsibility for the environment.
- Work to minimize the use and generation of toxic chemicals in products and materials.
- Protect, restore, and preserve the quality of our waters.
- Develop solutions to Minnesota's climate change challenges.
- Prevent and correct disproportionate environmental impacts on communities.

Minnesota is a national model for environmental protection. The state's air, land, and water are cleaner now than 50 years ago, even with a growing, diverse population and rising industrialization. However, the MPCA recognizes environmental improvements have not benefitted all Minnesotans in the same way. The MPCA established an Environmental Justice Advisory Committee to provide feedback and suggest improvements to the its environmental justice framework. The MPCA also emphasizes a goal of attracting and retaining a diverse and inclusive workforce that reflects the important perspectives of all Minnesotans in its daily work activities.

MPCA's range of activities includes:

- Testing and researching to identify environmental problems.
- Setting standards and developing rules that protect people and the environment.
- Writing permits to regulate activities that affect the environment (air emissions, toxic, or hazardous materials, water discharges, landfills, etc.).
- Ensuring compliance with and enforcing regulatory requirements to ensure equitable treatment and a level playing field for Minnesota businesses.
- Integrating environmental justice principles into the agency's processes to ensure pollution does not disproportionately impact the health of low-income populations or people of color.
- Providing technical assistance, training, outreach, and education to schools, facility operators, permittees, and the general public.
- Managing contracts for equity, sustainability, and fiscal accountability.
- Managing internal activities through proper control plans, risk management, and priorities.
- Providing access to environmental data and regulatory services through data requests and online systems.
- Publicizing and demonstrating pollution prevention techniques.
- Responding to environmental spills, releases, and other environmental emergencies.

Minnesota Statutes, Chapter, 114D (<https://www.revisor.mn.gov/statutes/?id=114D>), Chapter 115 (<https://www.revisor.mn.gov/statutes/?id=115>), Chapter 115A (<https://www.revisor.mn.gov/statutes/?id=115A>), and Chapter 116 (<https://www.revisor.mn.gov/statutes/?id=116>) provide the agency with its main authorities to provide regulatory, monitoring, and assistance services.

Pollution Control

Agency Expenditure Overview

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
<u>Expenditures by Fund</u>						
1000 - General	6,170	8,070	6,729	7,369	6,198	6,198
1200 - State Government Special Rev	76	78	76	77	77	77
2000 - Restrict Misc Special Revenue	5,567	4,772	4,885	6,440	5,470	5,470
2001 - Other Misc Special Revenue	28,184	28,532	29,833	32,366	30,156	30,009
2050 - Environment & Natural Resources	641	915	921	4		
2302 - Clean Water	22,480	27,490	20,666	25,293	3,157	
2403 - Gift		2,613	8,579	9,782	8,520	6,335
2800 - Environmental	78,452	84,544	82,159	90,059	85,864	85,864
2801 - Remediation	157,761	35,955	56,403	92,632	114,726	127,738
2802 - Closed Landfill Investment	620	1,101	1,408	214		
3000 - Federal	18,967	16,140	21,262	25,899	21,915	21,865
8200 - Clean Water Revolving	1,610	1,655	1,588	1,863	1,863	1,863
Total	320,528	211,865	234,510	291,998	277,946	285,419
Biennial Change				(5,885)		36,857
Biennial % Change				(1)		7

Expenditures by Program

Environmental Analysis and Outcomes Division	25,089	24,424	23,811	28,924	16,683	16,683
Industrial Division	17,234	18,433	19,774	19,771	18,577	17,576
Municipal Division	14,396	17,607	15,397	17,775	11,211	11,211
Operations Division	36,177	37,587	38,761	42,383	42,478	39,128
Remediation Division	161,445	39,134	62,979	98,854	118,630	132,811
Resource Management and Assistance Division	40,515	46,644	50,557	58,406	53,552	51,367
Watershed	24,417	26,843	21,606	24,402	15,541	15,369
Environmental Quality Board	1,256	1,192	1,624	1,483	1,274	1,274
Total	320,528	211,865	234,510	291,998	277,946	285,419

Expenditures by Category

Compensation	81,537	84,297	88,569	95,690	81,100	77,064
Operating Expenses	211,098	90,564	92,929	107,594	85,375	73,334
Grants, Aids and Subsidies	26,769	35,293	52,765	88,592	111,404	134,954
Capital Outlay-Real Property	219	542	55			

Pollution Control

Agency Expenditure Overview

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
Other Financial Transaction	906	1,169	191	122	67	67
Total	320,528	211,865	234,510	291,998	277,946	285,419

Total Agency Expenditures	320,528	211,865	234,510	291,998	277,946	285,419
Internal Billing Expenditures	28,771	28,447	28,614	28,994	24,279	23,024
Expenditures Less Internal Billing	291,757	183,418	205,896	263,004	253,667	262,395

Full-Time Equivalents

841.35	845.82	867.35	947.93	793.22	748.94
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Pollution Control

Agency Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
1000 - General						
Balance Forward In	641	1,575	59	845		
Direct Appropriation	6,543	6,808	6,815	6,524	6,198	6,198
Transfers In	1,197	115	700			
Transfers Out	697	265				
Cancellations		104				
Balance Forward Out	1,513	59	845			
Expenditures	6,170	8,070	6,729	7,369	6,198	6,198
Biennial Change in Expenditures				(142)		(1,702)
Biennial % Change in Expenditures				(1)		(12)
Full-Time Equivalents	12.31	11.79	11.01	10.00	10.25	10.25

1200 - State Government Special Rev

Balance Forward In		0				
Direct Appropriation	75	75	75	75	75	75
Open Appropriation	2	3	1	2	2	2
Cancellations		0				
Balance Forward Out	0		0			
Expenditures	76	78	76	77	77	77
Biennial Change in Expenditures				(1)		1
Biennial % Change in Expenditures				(1)		1
Full-Time Equivalents	0.67	0.76	0.77	0.77	0.77	0.77

2000 - Restrict Misc Special Revenue

Balance Forward In	1,361	1,039	774	1,067		
Receipts	5,244	4,505	5,176	5,373	5,470	5,470
Transfers In	1,361		123			
Transfers Out	1,361	0	123			
Balance Forward Out	1,038	772	1,065			
Expenditures	5,567	4,772	4,885	6,440	5,470	5,470
Biennial Change in Expenditures				986		(385)
Biennial % Change in Expenditures				10		(3)
Full-Time Equivalents	12.16	10.16	11.00	9.32	8.17	8.17

Pollution Control

Agency Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23

2001 - Other Misc Special Revenue

Balance Forward In	1,633	4,888	5,430	4,760	2,233	1,680
Receipts	28,878	28,650	28,816	29,505	29,269	29,219
Internal Billing Receipts	28,759	28,438	28,579	28,853	28,469	28,546
Transfers In	2,037	404	404	404	404	300
Transfers Out	1,731	82	56	70	70	70
Balance Forward Out	2,633	5,328	4,761	2,233	1,680	1,120
Expenditures	28,184	28,532	29,833	32,366	30,156	30,009
Biennial Change in Expenditures				5,484		(2,034)
Biennial % Change in Expenditures				10		(3)
Full-Time Equivalents	99.49	102.08	104.99	122.59	110.24	109.24

2050 - Environment & Natural Resources

Balance Forward In	0	548	253	4		
Direct Appropriation	1,189	7,911	750			
Cancellations	0	7,300	78			
Balance Forward Out	548	244	4			
Expenditures	641	915	921	4		
Biennial Change in Expenditures				(631)		(925)
Biennial % Change in Expenditures				(41)		(100)
Full-Time Equivalents	1.38	3.21	3.15			

2302 - Clean Water

Balance Forward In		3,386	2,549	5,161	3,157	
Direct Appropriation	25,790	26,290	23,242	20,249	0	0
Open Appropriation	40	55	35	3,040	0	0
Transfers In			461	164		
Transfers Out			461	164		
Balance Forward Out	3,349	2,241	5,159	3,157		
Expenditures	22,480	27,490	20,666	25,293	3,157	
Biennial Change in Expenditures				(4,011)		(42,802)
Biennial % Change in Expenditures				(8)		(93)

Pollution Control

Agency Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base FY22 FY23	
Full-Time Equivalents	91.50	90.06	90.50	101.88		

2403 - Gift

Balance Forward In			4,432	2,531		
Receipts		5,047	6,678	7,251	8,520	6,335
Balance Forward Out		2,433	2,531			
Expenditures		2,613	8,579	9,782	8,520	6,335
Biennial Change in Expenditures				15,747		(3,506)
Biennial % Change in Expenditures						(19)
Full-Time Equivalents		4.46	5.13	4.60	4.60	4.60

2800 - Environmental

Balance Forward In	4,160	7,123	4,222	7,794	2,995	2,954
Direct Appropriation	78,984	80,051	83,986	83,654	83,858	83,858
Open Appropriation	22,261	22,276	22,203	22,279	22,279	22,279
Receipts	3,020	3,155	2,974	2,735	2,735	2,735
Transfers In	5,942	2,887	6	8	8	8
Transfers Out	28,810	25,699	23,140	23,008	23,008	23,008
Net Loan Activity	16	113	(299)	(408)	(49)	(49)
Cancellations		1,141				
Balance Forward Out	7,120	4,222	7,793	2,995	2,954	2,913
Expenditures	78,452	84,544	82,159	90,059	85,864	85,864
Biennial Change in Expenditures				9,222		(490)
Biennial % Change in Expenditures				6		(0)
Full-Time Equivalents	413.01	412.29	408.02	441.16	415.05	415.05

2801 - Remediation

Balance Forward In	3,452	727,954	723,640	728,863	693,864	632,284
Direct Appropriation	13,219	13,471	14,410	14,110	14,110	8,846
Open Appropriation	14,752	10,642	11,941	14,237	13,988	13,988
Receipts	855,869	18,442	27,736	22,769	18,905	14,690
Transfers In	38,967	37,679	62,510	50,064	103,664	122,000
Transfers Out	9,539	25,760	32,194	16,283	70,257	100,257

Pollution Control

Agency Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
Cancellations	31,708	27,934	26,064	27,264	27,264	22,000
Balance Forward Out	727,250	722,260	728,862	693,864	632,284	541,813
Expenditures	157,761	35,955	56,403	92,632	114,726	127,738
Biennial Change in Expenditures				(44,681)		93,429
Biennial % Change in Expenditures				(23)		63
Full-Time Equivalents	86.07	92.40	96.62	114.05	113.92	70.64

2802 - Closed Landfill Investment

Balance Forward In		2,561		214		
Direct Appropriation	3,000		1,622			
Cancellations		1,460				
Balance Forward Out	2,380		214			
Expenditures	620	1,101	1,408	214		
Biennial Change in Expenditures				(100)		(1,622)
Biennial % Change in Expenditures				(6)		(100)
Full-Time Equivalents		0.23	1.00			

3000 - Federal

Balance Forward In	44			29		
Receipts	18,923	16,287	21,291	25,870	21,915	21,865
Transfers In	44					
Transfers Out	44					
Balance Forward Out		146	29			
Expenditures	18,967	16,140	21,262	25,899	21,915	21,865
Biennial Change in Expenditures				12,054		(3,381)
Biennial % Change in Expenditures				34		(7)
Full-Time Equivalents	112.01	105.07	123.04	131.00	116.22	116.22

8200 - Clean Water Revolving

Balance Forward In	22,072	22,066	24,671	6,389	434	634
Receipts	286	246	218	200	200	200
Transfers In	23,682	1,657	1,586	1,863	1,863	1,863
Transfers Out	22,072		5,000			

Pollution Control

Agency Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
Net Loan Activity	(4,405)	2,358	(13,498)	(6,155)	0	0
Balance Forward Out	17,953	24,671	6,389	434	634	834
Expenditures	1,610	1,655	1,588	1,863	1,863	1,863
Biennial Change in Expenditures				187		275
Biennial % Change in Expenditures				6		8
Full-Time Equivalents	12.75	13.31	12.12	12.56	14.00	14.00

Pollution Control

Agency Change Summary

(Dollars in Thousands)

	FY21	FY22	FY23	Biennium 2022-23
Direct				
Fund: 1000 - General				
FY2021 Appropriations	6,524	6,524	6,524	13,048
Base Adjustments				
Current Law Base Change		(326)	(326)	(652)
Forecast Base	6,524	6,198	6,198	12,396
Fund: 1200 - State Government Special Rev				
FY2021 Appropriations	75	75	75	150
Forecast Base	75	75	75	150
Fund: 2302 - Clean Water				
FY2021 Appropriations	20,249	20,249	20,249	40,498
Base Adjustments				
One-Time Legacy Fund Appropriations		(20,249)	(20,249)	(40,498)
Forecast Base	20,249	0	0	0
Fund: 2800 - Environmental				
FY2021 Appropriations	83,654	83,654	83,654	167,308
Base Adjustments				
Current Law Base Change		204	204	408
Forecast Base	83,654	83,858	83,858	167,716
Fund: 2801 - Remediation				
FY2021 Appropriations	14,110	14,110	14,110	28,220
Base Adjustments				
Program or Agency Sunset			(5,264)	(5,264)
Forecast Base	14,110	14,110	8,846	22,956
Open				
Fund: 1200 - State Government Special Rev				
FY2021 Appropriations	2	2	2	4
Forecast Base	2	2	2	4
Fund: 2302 - Clean Water				
FY2021 Appropriations	3,040	3,040	3,040	6,080
Base Adjustments				
One-Time Legacy Fund Appropriations		(47)	(47)	(94)
Current Law Base Change		(2,993)	(2,993)	(5,986)

Pollution Control

Agency Change Summary

(Dollars in Thousands)

	FY21	FY22	FY23	Biennium 2022-23
Forecast Base	3,040	0	0	0
Fund: 2800 - Environmental				
FY2021 Appropriations	22,279	22,279	22,279	44,558
Forecast Base	22,279	22,279	22,279	44,558
Fund: 2801 - Remediation				
FY2021 Appropriations	14,237	14,237	14,237	28,474
Base Adjustments				
All Other One-Time Appropriations		(249)	(249)	(498)
Forecast Base	14,237	13,988	13,988	27,976
Dedicated				
Fund: 2000 - Restrict Misc Special Revenue				
Planned Spending	6,440	5,470	5,470	10,940
Forecast Base	6,440	5,470	5,470	10,940
Fund: 2001 - Other Misc Special Revenue				
Planned Spending	32,366	30,156	30,009	60,165
Forecast Base	32,366	30,156	30,009	60,165
Fund: 2403 - Gift				
Planned Spending	9,782	8,520	6,335	14,855
Forecast Base	9,782	8,520	6,335	14,855
Fund: 2800 - Environmental				
Planned Spending	2,975	2,727	2,727	5,454
Forecast Base	2,975	2,727	2,727	5,454
Fund: 2801 - Remediation				
Planned Spending	62,354	86,885	105,161	192,046
Forecast Base	62,354	86,885	105,161	192,046
Fund: 3000 - Federal				
Planned Spending	25,899	21,915	21,865	43,780
Forecast Base	25,899	21,915	21,865	43,780
Fund: 8200 - Clean Water Revolving				
Planned Spending	1,863	1,863	1,863	3,726

Pollution Control

Agency Change Summary

(Dollars in Thousands)

	FY21	FY22	FY23	Biennium 2022-23
Forecast Base	1,863	1,863	1,863	3,726
Revenue Change Summary				
Dedicated				
Fund: 2000 - Restrict Misc Special Revenue				
Forecast Revenues	5,373	5,470	5,470	10,940
Fund: 2001 - Other Misc Special Revenue				
Forecast Revenues	29,505	29,269	29,219	58,488
Fund: 2403 - Gift				
Forecast Revenues	7,251	8,520	6,335	14,855
Fund: 2800 - Environmental				
Forecast Revenues	2,735	2,735	2,735	5,470
Fund: 2801 - Remediation				
Forecast Revenues	22,769	18,905	14,690	33,595
Fund: 3000 - Federal				
Forecast Revenues	25,870	21,915	21,865	43,780
Fund: 8200 - Clean Water Revolving				
Forecast Revenues	200	200	200	400
Non-Dedicated				
Fund: 1000 - General				
Forecast Revenues	6	6	6	12
Fund: 1200 - State Government Special Rev				
Forecast Revenues	50	50	50	100
Fund: 2350 - Petroleum Tank Release Cleanup				
Forecast Revenues	4	4		4
Fund: 2800 - Environmental				
Forecast Revenues	28,319	28,319	28,319	56,638

(Dollars in Thousands)

	FY21	FY22	FY23	Biennium 2022-23
Fund: 2801 - Remediation				
Forecast Revenues	1,296	1,381	1,381	2,762
Fund: 2802 - Closed Landfill Investment				
Forecast Revenues	1			

Program: Environmental Analysis and Outcomes Divisionwww.pca.state.mn.us/**AT A GLANCE**

- Develop water quality standards and evaluate 80 major watersheds against those standards.
- Monitor and track air quality, surface water quality, and ambient groundwater conditions.
- Provide resources to local water management organizations for lake and streams monitoring.
- Provide air quality forecasts for the state and five tribes, to inform public of unhealthy air quality days.
- Estimate and track pollutant emissions to air and discharges to water.

PURPOSE AND CONTEXT

The Environmental Analysis and Outcomes (EAO) Division monitors and evaluates the physical, chemical, and biological conditions of Minnesota's environment; identifies environmental threats and impacts to human and ecosystem health; establishes environmental goals and measures progress in achieving them; supports regulatory programs (such as permitting); and makes environmental data broadly accessible. The Division's efforts support human health, aquatic life, and a strong economy.

We provide leadership to implement the federal Clean Air Act by monitoring and evaluating air quality conditions, supporting air quality permitting and environmental review, and assisting sister agencies with energy and transportation projects.

We help implement the Clean Water Act and portions of Minnesota's Clean Water Legacy Act by monitoring surface water and groundwater resources; evaluating water quality data; communicating lake, stream, wetland, and groundwater conditions; and, developing water quality standards that protect the health of water resources. Water data and assessment results support the development of permit limits to protect water quality and inform local planning, restoration, and protection activities.

SERVICES PROVIDED**Air Assessment**

- Monitors the air and collects information about pollution releases from large and small sources.
- Monitors for the air quality index and compliance with air quality standards and health benchmarks using 175 monitors located at 58 sites statewide.
- Provides technical assistance and quality assurance for 32 monitors at seven industrial locations, and six monitors at five locations operated by tribal governments.
- Collects and analyzes annual emission inventories for more than 2,200 companies.
- Develops greenhouse gas emission estimates for comparison to Next Generation Energy Act goals.
- Analyzes for public health risks from air pollution, with a focus on the most vulnerable Minnesotans.

Water Assessment

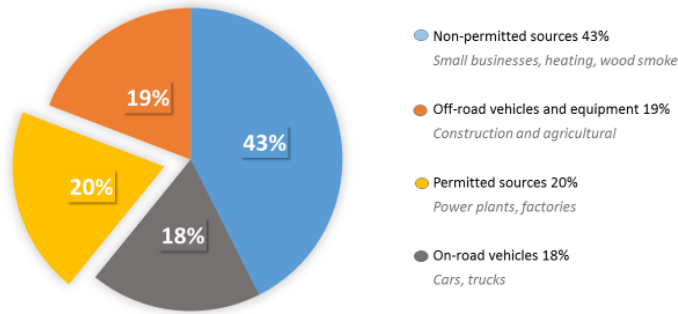
- Develops water quality standards and uses other tools to protect human health and aquatic life.
- Monitors lakes, streams and rivers, and groundwater to identify water quality trends.
- Gathers and reviews data to understand water condition and identify causes of stress on a water body.
- Tracks the effectiveness of protection and restoration activities.
- Provides information and assistance to regulated facilities, communities, local governments, and citizens.
- Conducts monitoring and studies of contaminants in Minnesota's water and fish, including well-known accumulative contaminants like mercury and newer issues like pharmaceuticals and consumer products.

RESULTS PERFORMANCE MEASURE

AIR EMISSIONS FROM DIFFERENT TYPES OF SOURCES

Air emissions are the quantity of air pollutants that are released from an air pollution source.

- On-road vehicles (cars, trucks) 18 percent
- Non-permitted sources (small businesses, heating, wood smoke) 43 percent
- Off-road vehicles (construction and agriculture) 19 percent
- Permitted sources (power plants, factories) 20 percent



Aggregate emissions NO_x, SO₂, VOC, PM_{2.5}

Aggregate emissions: Nitrogen oxides (NO_x), sulfur dioxide (SO₂), volatile organic compounds (VOC), particulate matter (PM_{2.5})

SURFACE WATER PROTECTION AND RESTORATION

During the last 10 years, MPCA has increased water monitoring efforts and completed assessments across the entire state. The information is used to determine if watersheds are meeting water quality standards to protect public health, recreational use, and aquatic life.

In general, 60 percent of state lakes and streams meet statewide standards. By 2019, MPCA met the statutory requirement to monitor all watersheds within 10 years. The MPCA is now in the second monitoring cycle to track progress toward water quality goals.

GREENHOUSE EMISSIONS IN MINNESOTA

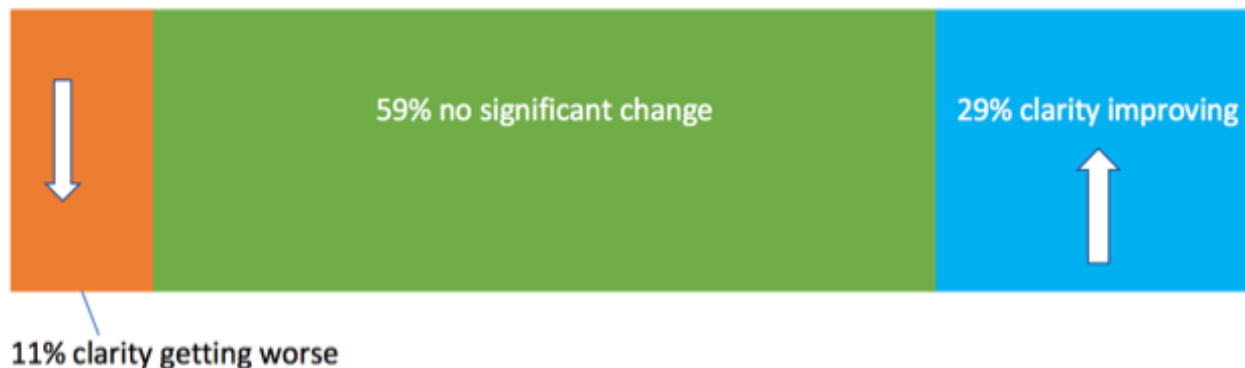
The EAO Division estimates the greenhouse gas emissions from all sources in Minnesota to track progress against the Next Generation Energy Act reduction targets. The analysis allows the EAO Division to support the Governor's Climate Change Subcabinet and Advisory Council to identify effective and cost-efficient emission reduction strategies.

The Division is completing a report to the Legislature, due January 15, 2021, that will contain the most up-to-date estimates for greenhouse gas emissions.

PERCENT OF LAKES GETTING CLEARER

Clarity is improving or holding steady in over 80 percent of lakes. Hundreds of volunteers help the MPCA measure water clarity to detect signs of degradation to a lake.

Clarity changes in Minnesota lakes through 2019



Minnesota Statutes, Chapters, 115 (<https://www.revisor.mn.gov/statutes/?id=115>), 115A (<https://www.revisor.mn.gov/statutes/?id=115A>), and 116 (<https://www.revisor.mn.gov/statutes/?id=116>) provide the agency with its main authorities to provide regulatory, monitoring, and assistance services.

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
<u>Expenditures by Fund</u>						
1000 - General	142	200	197	213	204	204
2000 - Restrict Misc Special Revenue	302	109	170	544	248	248
2001 - Other Misc Special Revenue	20	20	20	20	20	20
2050 - Environment & Natural Resources	558	59	264			
2302 - Clean Water	8,937	9,124	8,576	9,788		
2800 - Environmental	11,663	11,794	11,137	12,878	12,091	12,091
2801 - Remediation	181	210	155	248	201	201
3000 - Federal	3,288	2,908	3,293	5,233	3,919	3,919
Total	25,089	24,424	23,811	28,924	16,683	16,683
Biennial Change				3,222		(19,369)
Biennial % Change				7		(37)

Expenditures by Activity

Env Analysis Outcomes	25,089	24,424	23,811	28,924	16,683	16,683
Total	25,089	24,424	23,811	28,924	16,683	16,683

Expenditures by Category

Compensation	14,481	14,269	14,522	16,280	11,438	11,422
Operating Expenses	9,631	9,545	9,089	12,494	5,245	5,261
Grants, Aids and Subsidies	136	128	150	150		
Capital Outlay-Real Property	27	253	8			
Other Financial Transaction	813	229	41			
Total	25,089	24,424	23,811	28,924	16,683	16,683

Total Agency Expenditures	25,089	24,424	23,811	28,924	16,683	16,683
Internal Billing Expenditures	5,958	5,904	5,906	6,111	4,012	4,029
Expenditures Less Internal Billing	19,131	18,520	17,905	22,813	12,671	12,654

Full-Time Equivalents

	155.66	146.51	144.71	172.19	109.73	109.73
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Environmental Analysis and Outcomes Division

Program Financing by Fund

(Dollars in Thousands)

	Actual	Actual	Actual	Estimate	Forecast Base	
	FY18	FY19	FY20	FY21	FY22	FY23
1000 - General						
Balance Forward In		2		8		
Direct Appropriation	88	89	205	205	204	204
Transfers In	56	115				
Cancellations		6				
Balance Forward Out	2		8			
Expenditures	142	200	197	213	204	204
Biennial Change in Expenditures				68		(2)
Biennial % Change in Expenditures				20		(0)
Full-Time Equivalents	1.89	1.78	1.71	1.85	1.85	1.85

2000 - Restrict Misc Special Revenue

Balance Forward In		106	227	296		
Receipts	124	230	238	248	248	248
Transfers In	284					
Balance Forward Out	106	227	295			
Expenditures	302	109	170	544	248	248
Biennial Change in Expenditures				303		(218)
Biennial % Change in Expenditures				74		(31)
Full-Time Equivalents	1.36	1.12	1.42	1.50	1.10	1.10

2001 - Other Misc Special Revenue

Receipts	20	20	20	20	20	20
Expenditures	20	20	20	20	20	20
Biennial Change in Expenditures				1		1
Biennial % Change in Expenditures				1		1

2050 - Environment & Natural Resources

Balance Forward In		142	92			
Direct Appropriation	700		250			
Cancellations			78			
Balance Forward Out	142	83				
Expenditures	558	59	264			
Biennial Change in Expenditures				(353)		(264)

Environmental Analysis and Outcomes Division

Program Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
Biennial % Change in Expenditures				(57)		

2302 - Clean Water

Balance Forward In		510	1,024	1,781		
Direct Appropriation	9,446	9,447	9,332	8,092	0	0
Transfers Out				85		
Balance Forward Out	509	834	1,781			
Expenditures	8,937	9,124	8,576	9,788		
Biennial Change in Expenditures				304		(18,364)
Biennial % Change in Expenditures				2		(100)
Full-Time Equivalents	46.73	44.00	44.38	53.81		

2800 - Environmental

Balance Forward In	0	44		787		
Direct Appropriation	12,308	12,321	12,871	12,902	12,902	12,902
Transfers In	139	225				
Transfers Out	741	746	946	811	811	811
Cancellations		49				
Balance Forward Out	43		788			
Expenditures	11,663	11,794	11,137	12,878	12,091	12,091
Biennial Change in Expenditures				558		167
Biennial % Change in Expenditures				2		1
Full-Time Equivalents	83.10	77.82	75.10	81.59	77.34	77.34

2801 - Remediation

Balance Forward In		12		47		
Direct Appropriation	181	181	201	201	201	201
Transfers In	12	19				
Cancellations		2				
Balance Forward Out	12		46			
Expenditures	181	210	155	248	201	201
Biennial Change in Expenditures				12		(1)
Biennial % Change in Expenditures				3		(0)

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
Full-Time Equivalents	1.28	1.36	0.77	1.17	1.17	1.17

3000 - Federal

Receipts	3,244	2,909	3,293	5,233	3,919	3,919
Transfers In	44					
Expenditures	3,288	2,908	3,293	5,233	3,919	3,919
Biennial Change in Expenditures				2,330		(688)
Biennial % Change in Expenditures				38		(8)
Full-Time Equivalents	21.30	20.43	21.33	32.27	28.27	28.27

Program: Industrial Divisionwww.pca.state.mn.us/**AT A GLANCE**

Provide regulatory services (permitting, technical assistance, training, compliance determination, enforcement, licensing, and certification) for:

- 3,000 industrial wastewater and stormwater sources
- 2,000 air emission sources
- 4,500 underground fuel storage tank facilities
- 26,600 hazardous waste generators

PURPOSE AND CONTEXT

The Industrial Division engages with regulated parties to manage emissions, discharges, and wastes to minimize impacts to human health, the environment, and climate change. We implement a set of core regulatory programs that ensure Minnesota's outdoor air is healthy for all to breathe, and waters are swimmable, fishable, and safe to drink. The Industrial Division enforces state and federal environmental regulations so that Minnesota reduces its contribution to regional, national, and global pollution. Compliance assistance is provided to pollution sources, and we respond to citizen complaints. Our efforts support human health, the environment, and contribute to strong economies in Minnesota communities. The Industrial Division administers regulatory programs in support of the MPCA's environmental justice policy to avoid disproportionate impacts of pollution on any group of people.

MPCA is authorized by the Environmental Protection Agency (EPA) to administer the air quality regulatory programs under the federal Clean Air Act. About 2,000 air emission facilities are managed in the program. These programs use state and federal regulations, best management practices, technology, and site-specific determinations to control sources of air pollution. The Division's work to regulate air pollution from facilities that need an air quality permit has resulted in a significant reduction in emissions from these sources and has contributed to the attainment of ambient air quality standards in the state.

MPCA is also authorized by the EPA to administer the wastewater regulatory program under the federal Clean Water Act. Over 800 industrial wastewater dischargers are managed in the program in addition to approximately 2,500 businesses through the industrial stormwater program. These programs use best management practices, technology, and site-based standards to protect water resources.

The Division works with a large and diverse group of private businesses, industry consultants, local, state and federal partners, environmental groups, and citizens.

SERVICES PROVIDED

The services the Division provides fall into three categories:

Permitting

- Issue air and water permits to operate or expand existing facilities and to build new industrial, commercial, and institutional facilities.
- Better connect the public, industry, and local governments by providing input opportunities on permits through community engagement, public notices, and local meetings.
- Reduce the burden on regulated parties by providing assistance, flexibility, and permitting options.

Compliance determination, assistance, and enforcement

- Conduct inspections and determine compliance with air quality, water quality, hazardous waste, stormwater, and underground fuel storage tank rules, regulations, and permits.
- Provide technical assistance and training to regulated facilities.
- Take enforcement action when warranted.

Licensing and certification

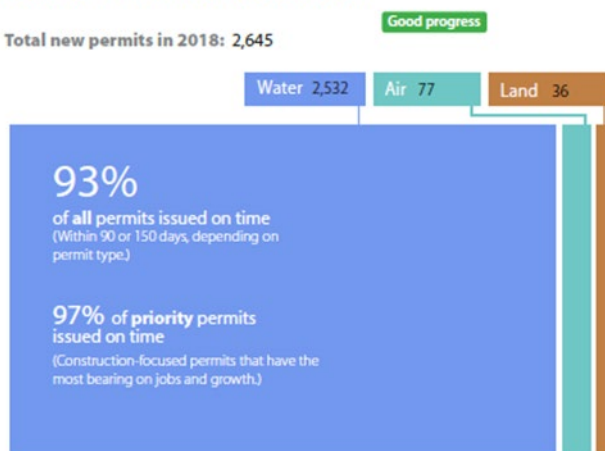
- Issue licenses for hazardous waste treatment, storage, and disposal facilities.
- License hazardous waste haulers and monitor the movement of hazardous waste.
- Certify over 13,000 underground fuel tanks.

RESULTS

Speeding up permits

The MPCA has worked hard to speed up our permitting process without compromising our environment. We meet our 90-day and 150-day permitting timeliness goals **97% of the time for priority permits**, which are construction-focused and have the most bearing on jobs and growth.

Total new permits in 2018: 2,645

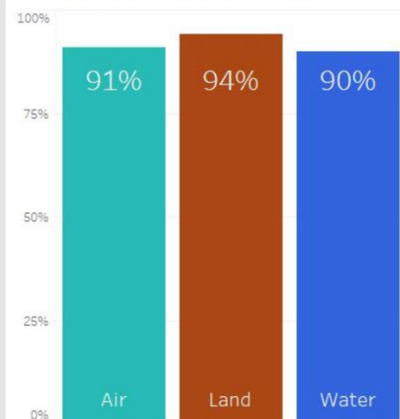


Compliance rates of inspected facilities

Issuing permits is only part of what the MPCA does to protect our environment. We also provide assistance, conduct inspections, and enforce standards to improve compliance.

Good progress

Percentage of inspections where no major non-compliance was discovered (2019)



Minnesota Statutes, Chapters, 115 (<https://www.revisor.mn.gov/statutes/?id=115>), 115A (<https://www.revisor.mn.gov/statutes/?id=115A>), and 116 (<https://www.revisor.mn.gov/statutes/?id=116>) provide the agency with its main authorities to provide regulatory, monitoring, and assistance services.

Industrial Division

Program Expenditure Overview

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
<u>Expenditures by Fund</u>						
1000 - General	51	449	700			
2000 - Restrict Misc Special Revenue	551	354	394	181	30	30
2001 - Other Misc Special Revenue	257	301	336	383	300	300
2800 - Environmental	13,229	14,323	14,130	14,705	14,484	14,484
2801 - Remediation	860	1,122	1,001	1,001	1,001	
3000 - Federal	2,284	1,883	3,213	3,501	2,762	2,762
Total	17,234	18,433	19,774	19,771	18,577	17,576
Biennial Change				3,878		(3,392)
Biennial % Change				11		(9)

Expenditures by Activity

Industrial	17,234	18,433	19,774	19,771	18,577	17,576
Total	17,234	18,433	19,774	19,771	18,577	17,576

Expenditures by Category

Compensation	12,511	12,578	13,430	14,097	13,082	12,325
Operating Expenses	4,722	5,763	6,344	5,674	5,495	5,251
Capital Outlay-Real Property		90				
Other Financial Transaction		3				
Total	17,234	18,433	19,774	19,771	18,577	17,576

Total Agency Expenditures	17,234	18,433	19,774	19,771	18,577	17,576
Internal Billing Expenditures	4,342	4,373	4,665	4,668	4,597	4,353
Expenditures Less Internal Billing	12,892	14,060	15,109	15,103	13,980	13,223

<u>Full-Time Equivalents</u>	138.53	134.97	139.23	139.12	131.07	123.65
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Industrial Division

Program Financing by Fund

(Dollars in Thousands)

	Actual	Actual	Actual	Estimate	Forecast Base	
	FY18	FY19	FY20	FY21	FY22	FY23
1000 - General						
Balance Forward In		449				
Transfers In	500		700			
Balance Forward Out	449					
Expenditures	51	449	700			
Biennial Change in Expenditures				200		(700)
Biennial % Change in Expenditures				40		

2000 - Restrict Misc Special Revenue

Balance Forward In		699	107	163		
Receipts	289	(237)	449	18	30	30
Transfers In	961					
Balance Forward Out	699	107	163			
Expenditures	551	354	394	181	30	30
Biennial Change in Expenditures				(331)		(515)
Biennial % Change in Expenditures				(37)		(90)
Full-Time Equivalents	3.71	2.60	2.61	0.69	0.19	0.19

2001 - Other Misc Special Revenue

Balance Forward In		86	84	83		
Receipts			35			
Transfers In	343	300	300	300	300	300
Balance Forward Out	86	84	83			
Expenditures	257	301	336	383	300	300
Biennial Change in Expenditures				160		(119)
Biennial % Change in Expenditures				29		(16)
Full-Time Equivalents	2.31	2.08	1.97	2.50	2.00	2.00

2800 - Environmental

Balance Forward In		335	0	221		
Direct Appropriation	13,099	13,259	14,472	14,605	14,605	14,605
Transfers In	522	846				
Transfers Out	58		121	121	121	121
Cancellations		117				

Industrial Division

Program Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
Balance Forward Out	334		221			
Expenditures	13,229	14,323	14,130	14,705	14,484	14,484
Biennial Change in Expenditures				1,283		133
Biennial % Change in Expenditures				5		0
Full-Time Equivalents	105.14	101.84	99.05	102.96	98.91	98.91

2801 - Remediation

Balance Forward In		127				
Direct Appropriation	980	983	1,001	1,001	1,001	0
Transfers In	7	16				
Cancellations		3				
Balance Forward Out	127					
Expenditures	860	1,122	1,001	1,001	1,001	
Biennial Change in Expenditures				19		(1,001)
Biennial % Change in Expenditures				1		(50)
Full-Time Equivalents	6.72	9.24	7.96	8.42	7.42	

3000 - Federal

Receipts	2,284	1,883	3,213	3,501	2,762	2,762
Expenditures	2,284	1,883	3,213	3,501	2,762	2,762
Biennial Change in Expenditures				2,546		(1,190)
Biennial % Change in Expenditures				61		(18)
Full-Time Equivalents	20.65	19.21	27.64	24.55	22.55	22.55

Program: Municipal Divisionwww.pca.state.mn.us/**AT A GLANCE**

- 231 wastewater permits issued in FY20.
- 2,705 construction stormwater permits issued during FY20.
- 250 municipalities operated under municipal stormwater permit coverage in FY20.
- 254 sub-surface sewage treatment systems compliance and enforcement actions taken in FY20.
- 131 construction stormwater compliance and enforcement actions taken in FY20.
- 13 municipal stormwater compliance and enforcement actions taken in FY20.
- 86 municipal wastewater compliance and enforcement actions taken in FY20.
- 136 grants totaling \$3.1 million awarded to local partners for SSTs grants in FY20.

PURPOSE AND CONTEXT

The Municipal Division works to ensure that Minnesota has clean water to support aquatic life, clean drinking water, healthy communities, and a strong economy. Components of the program include:

- Reducing and preventing water pollution from wastewater, stormwater, and sub-surface sewage treatment systems (SSTs).
- Working cooperatively with stakeholders to implement activities that protect Minnesota waters.
- Providing financial assistance to local government and other partners to achieve and accelerate water quality improvements.

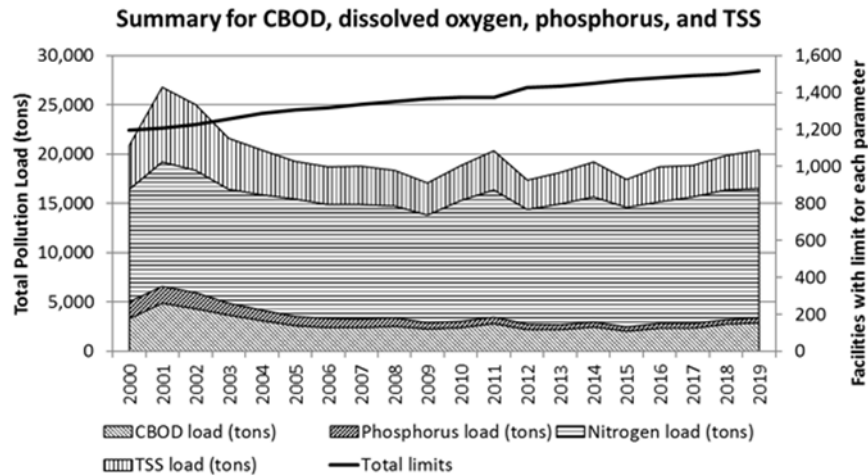
SERVICES PROVIDED

The Municipal Division conducts activities to ensure that the state's lakes, rivers, streams, and groundwater are clean, healthy, and sustainable. To accomplish this, the division:

- Issues construction and operation permits to Minnesota businesses and municipalities
- Implements the biosolids land application program
- Assists in flood and spill response
- Inspects, assists, and enforces wastewater, stormwater, and SSTs
- Educates, licenses, and certifies wastewater and SSTs professionals
- Addresses imminent health threats from septic systems, particularly for low-income households
- Provides grants and contracts for water quality improvement projects
- Conducts technical reviews for the Public Facilities Authority funding program

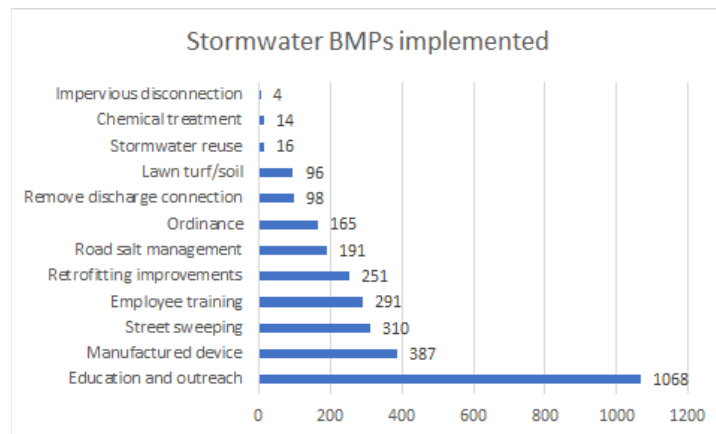
RESULTS**Municipal Wastewater**

Since 2000, pollutant load discharges from municipal wastewater plants have decreased for all parameters except nitrogen. This decrease is due to MPCA developing permit limits that achieve water quality goals. The MPCA is implementing the Nutrient Reduction Strategy and has been adding nitrogen monitoring to permits. This data will be used to develop future limits upon completion of a nitrogen water quality standard.



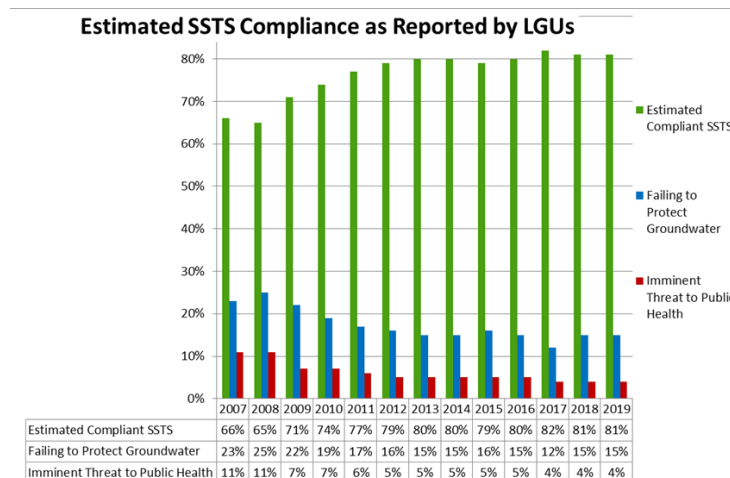
Municipal Stormwater

Since 2015, cities have used best management practices (BMPs) to help to achieve reductions in pollutants.



Sub-surface Sewage Treatment System (SSTS)

Compliance rates increased over the last 10 years; but have remained almost steady for the past four years.



Minnesota Statutes, Chapters, 115 (<https://www.revisor.mn.gov/statutes/?id=115>), 115A (<https://www.revisor.mn.gov/statutes/?id=115A>), and 116 (<https://www.revisor.mn.gov/statutes/?id=116>) provide the agency with its main authorities to provide regulatory, monitoring, and assistance services.

Municipal Division

Program Expenditure Overview

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
<u>Expenditures by Fund</u>						
1000 - General	330	377	147	181	164	164
2000 - Restrict Misc Special Revenue			260	766	559	559
2001 - Other Misc Special Revenue		14				
2050 - Environment & Natural Resources		697	499	4		
2302 - Clean Water	4,336	6,426	4,453	5,604		
2800 - Environmental	7,069	7,749	7,486	8,176	7,645	7,645
3000 - Federal	1,052	689	962	1,181	980	980
8200 - Clean Water Revolving	1,610	1,655	1,588	1,863	1,863	1,863
Total	14,396	17,607	15,397	17,775	11,211	11,211
Biennial Change				1,168		(10,750)
Biennial % Change				4		(32)

Expenditures by Activity

Municipal	14,396	17,607	15,397	17,775	11,211	11,211
Total	14,396	17,607	15,397	17,775	11,211	11,211

Expenditures by Category

Compensation	7,898	8,166	8,272	9,417	7,955	7,949
Operating Expenses	6,446	7,485	6,824	8,358	3,256	3,262
Grants, Aids and Subsidies	53	1,952	300			
Capital Outlay-Real Property		0				
Other Financial Transaction	0	4				
Total	14,396	17,607	15,397	17,775	11,211	11,211

Total Agency Expenditures	14,396	17,607	15,397	17,775	11,211	11,211
Internal Billing Expenditures	3,342	3,342	2,897	2,963	2,597	2,603
Expenditures Less Internal Billing	11,054	14,265	12,500	14,812	8,614	8,608

Full-Time Equivalents

81.78	84.24	84.93	93.30	77.99	77.99
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Municipal Division

Program Financing by Fund

(Dollars in Thousands)

	Actual	Actual	Actual	Estimate	Forecast Base	
	FY18	FY19	FY20	FY21	FY22	FY23
1000 - General						
Balance Forward In		269		17		
Direct Appropriation	162	163	164	164		
Transfers In	437					
Cancellations		55				
Balance Forward Out	269		17			
Expenditures	330	377	147	181	164	164
Biennial Change in Expenditures				(378)		0
Biennial % Change in Expenditures				(54)		(0)
Full-Time Equivalents	1.74	2.75	0.92	1.00	1.00	1.00

2000 - Restrict Misc Special Revenue

Balance Forward In				207		
Receipts			344	559	559	559
Transfers In			123			
Balance Forward Out			207			
Expenditures			260	766	559	559
Biennial Change in Expenditures				1,026		92
Biennial % Change in Expenditures						9
Full-Time Equivalents			1.67	1.35	2.35	2.35

2001 - Other Misc Special Revenue

Receipts	14					
Expenditures	14					
Biennial Change in Expenditures				(14)		0
Biennial % Change in Expenditures						

2050 - Environment & Natural Resources

Balance Forward In		89	3	4		
Direct Appropriation	89	611	500			
Balance Forward Out	89	3	4			
Expenditures		697	499	4		
Biennial Change in Expenditures				(193)		(503)
Biennial % Change in Expenditures						(100)

Municipal Division

Program Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23

2302 - Clean Water

Balance Forward In		924	39	836		
Direct Appropriation	5,260	5,530	5,250	4,796	0	0
Transfers Out				28		
Balance Forward Out	924	28	836			
Expenditures	4,336	6,426	4,453	5,604		
Biennial Change in Expenditures				(704)		(10,057)
Biennial % Change in Expenditures				(7)		(100)
Full-Time Equivalents	6.89	7.16	8.00	8.40		

2800 - Environmental

Balance Forward In		564		531		
Direct Appropriation	6,463	6,481	8,068	7,695	7,695	7,695
Transfers In	1,220	1,193				
Transfers Out	50	50	50	50	50	50
Cancellations		439				
Balance Forward Out	564		532			
Expenditures	7,069	7,749	7,486	8,176	7,645	7,645
Biennial Change in Expenditures				844		(372)
Biennial % Change in Expenditures				6		(2)
Full-Time Equivalents	52.41	53.28	55.74	61.99	54.44	54.44

3000 - Federal

Receipts	1,052	689	962	1,181	980	980
Expenditures	1,052	689	962	1,181	980	980
Biennial Change in Expenditures				402		(183)
Biennial % Change in Expenditures				23		(9)
Full-Time Equivalents	7.99	7.74	6.48	8.00	6.20	6.20

8200 - Clean Water Revolving

Balance Forward In			2			
Transfers In	1,610	1,657	1,586	1,863	1,863	1,863

Municipal Division

Program Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
Balance Forward Out		2				
Expenditures	1,610	1,655	1,588	1,863	1,863	1,863
Biennial Change in Expenditures				187		275
Biennial % Change in Expenditures				6		8
Full-Time Equivalents	12.75	13.31	12.12	12.56	14.00	14.00

Program: Operations Divisionwww.pca.state.mn.us/**AT A GLANCE**

- “What’s in My Neighborhood” web application provides public access to environmental data.
- More than 2 million visits to the MPCA website with 5.3 million-page views in FY20.
- Processed and completed 15,266 data and information requests in the FY19-20 biennium, an increase of 22 percent over the previous biennium.
- 88 online services currently available and 123 projected by end of FY21.
- Over 15,000 online users have submitted over 117,000 permit applications and monitoring reports.
- First Minnesota government agency to achieve the prestigious Malcolm Baldrige Quality Award in recognition of performance excellence.
- Governor’s Outstanding Safety Award for FY19.
- One of the top state agencies for employee engagement and continuous improvement.
- Triage approximately 3,200 emergency notifications and respond to about 2,500 spills every year.

PURPOSE AND CONTEXT

The Operations Division manages the agency’s business services in alignment with the MPCA’s mission and values.

- It sustains the agency’s environmental work by managing fiscal services, internal controls and risk assessment, human resources, communications, organizational improvement, facilities management, data systems and online services, data analysis, document and records management, emergency readiness, and non-litigation legal support.
- It promotes performance excellence by seeking new or improved ways of delivering agency services, data, and information.
- It enhances cost effective and sustainable business practices by reducing agency fuel consumption, purchasing recycled and environmentally preferred products, strengthening agency-wide recycling efforts, and reducing travel through use of web conferencing technology.
- It advances an agency culture that values diversity, inclusion, and equity centric practices.
- It cleans up spills or leaks that can affect health and environment.

SERVICES PROVIDED

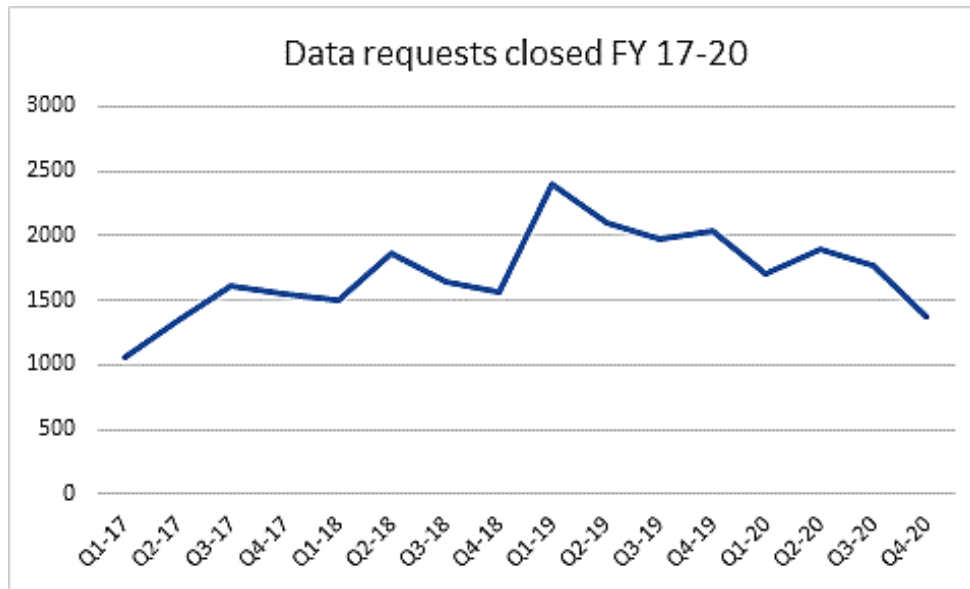
- Provides leadership and guidance on financial matters and performs accounting, budgeting, contracting, internal controls, and procurement business functions.
- Manages agency data and records (paper and electronic), and ensures effective, secure, and efficient data and document management systems and tools.
- Ensures public access to environmental information and decision-making processes through its website, social media channels, public meetings, outreach, rule hearings, video conferencing, and training events.
- Provides location-specific environmental information and data via the “What’s in My Neighborhood” feature at <https://www.pca.state.mn.us/data/whats-my-neighborhood>.
- Manages human resources through workforce planning, job design and analysis, recruitment and selection, employee relations, compliance with employment law and collective bargaining agreements, employee benefits, training and development.
- Uses the Malcolm Baldrige Performance Excellence System framework to identify and prioritize organizational improvement opportunities. Manages agency-wide services including facilities

management, safety, continuity of operations planning, mobile device management, lease administration, space planning, copy and print services, security access system, and fleet management.

- Enhances user-friendly electronic web-based services to create process efficiencies, improve data quality, accessibility and usability, and reduce paper transactions.
- Assesses environmental risk and oversees the cleanup of contaminated land, groundwater and surface water. Works with railroads, pipelines, industry, and local government to improve their preparedness and response to spills. In the event of a spill, assists local responders and oversees cleanup.

RESULTS

Data Services: Data practices and information requests allow for timely property redevelopment or construction. Over half (55 percent) of requests are for petroleum, leaks, tanks and environmental review documents, and over a third (37 percent) are for solid waste, hazardous waste, and superfund documents.



Communication: On average, more than 121,000 people view the MPCA website each month, an increase of 23 percent compared to the same period in 2019. The average person views 2.5 pages per visit, a 7 percent increase from 2019. The MPCA maintains a robust presence on its social media channels – Facebook, Instagram, LinkedIn, Twitter, and YouTube. In the past 12 months, the MPCA gained more than 2,500 new followers. More importantly, the agency’s engagement rate on its social channels has seen significant increases over the past year – Instagram (+145 percent), LinkedIn (+72 percent), Facebook (+52 percent) and Twitter (+38 percent). Lastly, the engagement rates for the MPCA’s Facebook, Instagram, and LinkedIn channels are four to six times higher than industry average.

Online Services: MPCA’s number of online services have steadily increased since FY14-15. MPCA’s e-Services feature allows users to apply for permits, close out permitted sites, submit regulatory data and information for compliance requirements; and pay fees and invoices.

<i>Name of Measure</i>	FY14-15	FY16-17	FY18-19	FY20-21
Number of online services	10	20	70	123

M.S. Chapters 114D (<https://www.revisor.mn.gov/statutes/?id=114D>), 115 (<https://www.revisor.mn.gov/statutes/?id=115>), 115A (<https://www.revisor.mn.gov/statutes/?id=115A>) and 116 (<https://www.revisor.mn.gov/statutes/?id=116>).

Operations Division

Program Expenditure Overview

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
<u>Expenditures by Fund</u>						
1000 - General	2,290	2,490	2,490	2,490	2,490	2,490
1200 - State Government Special Rev	2	3	1	2	2	2
2001 - Other Misc Special Revenue	27,691	27,964	29,337	31,917	29,702	29,689
2302 - Clean Water	117	136	96	47	3,157	
2800 - Environmental	4,315	5,251	5,015	5,508	5,306	5,306
2801 - Remediation	877	910	884	923	916	736
3000 - Federal	885	834	937	1,496	905	905
Total	36,177	37,587	38,761	42,383	42,478	39,128
Biennial Change				7,380		462
Biennial % Change				10		1

Expenditures by Activity

Operations	36,177	37,587	38,761	42,383	42,478	39,128
Total	36,177	37,587	38,761	42,383	42,478	39,128

Expenditures by Category

Compensation	14,172	15,166	15,932	16,806	15,653	15,413
Operating Expenses	21,900	21,678	22,806	25,477	26,775	23,665
Capital Outlay-Real Property	39	6	1			
Other Financial Transaction	65	738	23	100	50	50
Total	36,177	37,587	38,761	42,383	42,478	39,128

Total Agency Expenditures	36,177	37,587	38,761	42,383	42,478	39,128
Internal Billing Expenditures	1,524	1,543	1,646	1,712	1,711	1,667
Expenditures Less Internal Billing	34,653	36,045	37,115	40,671	40,767	37,461

Full-Time Equivalents

	139.89	145.28	149.35	171.66	155.83	153.28
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Operations Division

Program Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base FY22FY23	
1000 - General						
Direct Appropriation	2,346	2,605	2,490	2,490	2,490	2,490
Transfers Out	56	115				
Expenditures	2,290	2,490	2,490	2,490	2,490	2,490
Biennial Change in Expenditures			200		0	
Biennial % Change in Expenditures			4		0	

1200 - State Government Special Rev

Open Appropriation	2	3	1	2	2	2
Expenditures	2	3	1	2	2	2
Biennial Change in Expenditures				(1)		1
Biennial % Change in Expenditures				(18)		17

2001 - Other Misc Special Revenue

Balance Forward In		4,790	5,323	4,661	2,233	1,680
Receipts	28,806	28,489	28,627	29,455	29,115	29,199
Internal Billing Receipts	28,759	28,438	28,579	28,853	28,469	28,546
Transfers In	1,524		104	104	104	
Transfers Out	98	82	56	70	70	70
Balance Forward Out	2,541	5,232	4,661	2,233	1,680	1,120
Expenditures	27,691	27,964	29,337	31,917	29,702	29,689
Biennial Change in Expenditures				5,600		(1,863)
Biennial % Change in Expenditures				10		(3)
Full-Time Equivalents	95.85	98.87	102.98	120.09	108.24	107.24

2302 - Clean Water

Balance Forward In		33	62		3,157	
Direct Appropriation	110	110				
Open Appropriation	40	55	35	3,040	0	0
Transfers In				164		
Balance Forward Out	33	62		3,157		
Expenditures	117	136	96	47	3,157	
Biennial Change in Expenditures				(110)		3,014
Biennial % Change in Expenditures				(43)		2,102

Operations Division

Program Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base FY22 FY23	
Full-Time Equivalents	1.02	1.12	1.22			

2800 - Environmental

Balance Forward In		716		202		
Direct Appropriation	6,349	7,166	5,008	5,019	5,019	5,019
Open Appropriation	22,261	22,276	22,203	22,279	22,279	22,279
Transfers In	194	310	6	8	8	8
Transfers Out	23,774	24,879	22,000	22,000	22,000	22,000
Cancellations		338				
Balance Forward Out	715		201			
Expenditures	4,315	5,251	5,015	5,508	5,306	5,306
Biennial Change in Expenditures				958		89
Biennial % Change in Expenditures				10		1
Full-Time Equivalents	28.70	31.45	31.79	35.37	34.49	34.49

2801 - Remediation

Balance Forward In		15		7		
Direct Appropriation	1,074	1,295	828	828	828	648
Open Appropriation	95	98	63	88	88	88
Transfers In	31,741	27,295	27,264	27,264	27,264	22,000
Transfers Out	310	528	1,200			
Cancellations	31,708	27,265	26,064	27,264	27,264	22,000
Balance Forward Out	15		7			
Expenditures	877	910	884	923	916	736
Biennial Change in Expenditures				19		(155)
Biennial % Change in Expenditures				1		(9)
Full-Time Equivalents	6.57	6.24	6.19	6.80	6.70	5.15

3000 - Federal

Receipts	885	834	937	1,496	905	905
Expenditures	885	834	937	1,496	905	905
Biennial Change in Expenditures				714		(623)
Biennial % Change in Expenditures				42		(26)

Operations Division

Program Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
Full-Time Equivalents	7.75	7.60	7.17	9.40	6.40	6.40

Program: Remediation Division<https://www.pca.state.mn.us>**AT A GLANCE**

- Assess over 3,100 sites per year for risk to public health and the environment.
- Approximately 93,173 acres of contaminated land cleaned up and returned to productive use since 2003.
- Maintenance of 110 closed landfills.
- Assess approximately 330 superfund and 900 petroleum leak sites per year.

PURPOSE & CONTEXT

The Remediation Division protects the environment and public health by managing risks at contaminated sites through site assessment, site cleanup, ongoing operation and maintenance of protection systems, and restoring contaminated land to productive use.

We work with a large and diverse group of public and private entities, including property owners and developers, counties and cities, industry consultants, state and federal partners, and citizens.

SERVICES PROVIDED

We work with public and private partners to protect Minnesota's environment, public health, and quality of life through the proper management and cleanup of contaminated sites, which include petroleum tank leaksites, superfund sites, and closed landfills. Cleaning up contaminated land and groundwater, while costly and time consuming, is the core activity of this Division.

Our services fall into three categories: assessment of risk, cleanup of contaminated land and/or groundwater, and long-term maintenance of implemented remedies and/or installed protection systems.

Assessment of risk

- Identify and investigate environmental releases of hazardous substances and petroleum to determine extent, magnitude, and risk to public health and the environment.
- Provide technical support to hazardous waste enforcement, permitting, and corrective action efforts.
- Identify risk to proposed property developments on contaminated sites and work with developers to mitigate risk.
- Assist other agencies with assessment of Natural Resource Damages.

Cleanup

- Oversee land cleanup at contaminated sites and recover costs from responsible parties.
- Conduct cleanups and design and install protection systems at state-funded superfund and petroleum sites.
- Help developers return contaminated sites to productive use.

Long-term maintenance

- Monitor and manage operation and maintenance activities at 110 closed landfills and 330 superfund sites.
- Work with local units of government on land use restrictions near sites.

RESULTS

A SNAPSHOT: 2008-2018

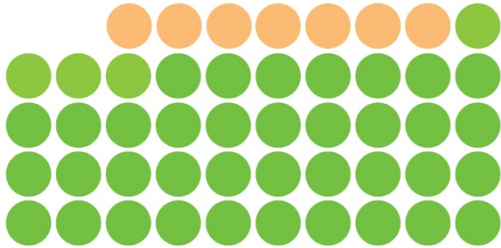
How much polluted land has been cleaned up for productive use?

The MPCA cleans up and puts abandoned, idled, or underused industrial and commercial properties back into productive use. This benefits a community by addressing public health threats, increasing the tax base, and creating jobs.

Good progress

Petroleum remediation sites cleaned up 2008 – 2018

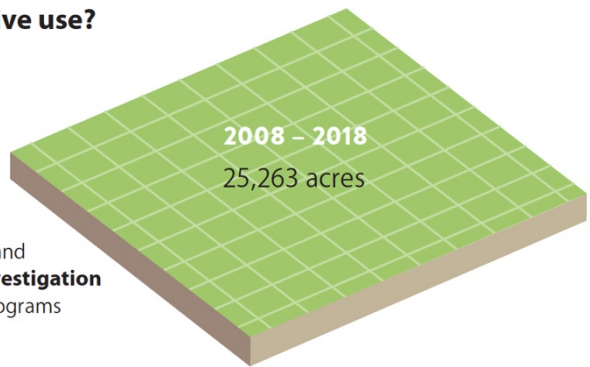
● Sites cleaned up ● Identified for cleanup (1 dot equals 100 sites)



Over **4,000** sites have been cleaned up since 2008.

We're cleaning up sites faster than new ones emerge and the **backlog is getting smaller**.

Land cleaned up through **Petroleum Brownfields and Voluntary Investigation & Cleanup** programs



Superfund sites and hazardous material sites

2008 through 2018



Minnesota Statutes, Chapters 114D (<https://www.revisor.mn.gov/statutes/cite/114D>), 115 (<https://www.revisor.mn.gov/statutes/cite/115>), 115A (<https://www.revisor.mn.gov/statutes/cite/115A>), 115C (<https://www.revisor.mn.gov/statutes/2019/cite/115C>), 116 (<https://www.revisor.mn.gov/statutes/2019/cite/116>) and 116B (<https://www.revisor.mn.gov/statutes/2019/cite/116B>) provide the agency with its main authorities to provide regulatory, monitoring, and assistance services.

Remediation Division

Program Expenditure Overview

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
<u>Expenditures by Fund</u>						
1000 - General	215	217	216			
2000 - Restrict Misc Special Revenue	562	541	584	990	605	605
2001 - Other Misc Special Revenue	200	223	141	46	134	
2050 - Environment & Natural Resources	83	159	158			
2302 - Clean Water			653	1,204		
2800 - Environmental	752	849	782	1,150	978	978
2801 - Remediation	155,616	33,494	53,924	90,132	112,374	126,689
2802 - Closed Landfill Investment	620	1,101	1,408	214		
3000 - Federal	3,396	2,549	5,116	5,118	4,539	4,539
Total	161,445	39,134	62,979	98,854	118,630	132,811
Biennial Change				(38,745)		89,608
Biennial % Change				(19)		55

Expenditures by Activity

Remediation	161,445	39,134	62,979	98,854	118,630	132,811
Total	161,445	39,134	62,979	98,854	118,630	132,811

Expenditures by Category

Compensation	10,545	10,877	12,668	14,880	12,837	9,918
Operating Expenses	150,727	27,011	32,341	33,705	30,371	21,686
Grants, Aids and Subsidies	0	1,095	17,924	50,269	75,422	101,207
Capital Outlay-Real Property	150	107	46			
Other Financial Transaction	24	43				
Total	161,445	39,134	62,979	98,854	118,630	132,811

Total Agency Expenditures	161,445	39,134	62,979	98,854	118,630	132,811
Internal Billing Expenditures	3,719	3,628	4,376	4,342	4,018	3,051
Expenditures Less Internal Billing	157,726	35,506	58,603	94,512	114,612	129,760

Full-Time Equivalents

	102.52	105.13	121.40	129.60	126.38	93.57
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Remediation Division

Program Financing by Fund

(Dollars in Thousands)

	Actual	Actual	Actual	Estimate	Forecast Base	
	FY18	FY19	FY20	FY21	FY22	FY23
1000 - General						
Balance Forward In		1	0			
Direct Appropriation	216	216	216			
Balance Forward Out	1					
Expenditures	215	217	216			
Biennial Change in Expenditures				(216)		(216)
Biennial % Change in Expenditures				(50)		
Full-Time Equivalents	1.71	1.52	1.34			

2000 - Restrict Misc Special Revenue

Balance Forward In		151	309	385		
Receipts	667	699	659	605	605	605
Transfers In	45					
Balance Forward Out	151	309	385			
Expenditures	562	541	584	990	605	605
Biennial Change in Expenditures				471	(364)	
Biennial % Change in Expenditures				43	(23)	
Full-Time Equivalents	4.60	4.11	3.84	5.70	4.45	4.45

2001 - Other Misc Special Revenue

Balance Forward In		13	22	16		
Receipts	36	118	135	30	134	
Transfers In	170	104				
Balance Forward Out	7	11	16			
Expenditures	200	223	141	46	134	
Biennial Change in Expenditures				(236)	(53)	
Biennial % Change in Expenditures				(56)	(28)	
Full-Time Equivalents	1.13	1.13	0.04			

2050 - Environment & Natural Resources

Balance Forward In		317	158			
Direct Appropriation	400					
Cancellations			0			
Balance Forward Out	317	158				

Remediation Division

Program Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
Expenditures	83	159	158			
Biennial Change in Expenditures				(84)		(158)
Biennial % Change in Expenditures				(35)		
Full-Time Equivalents	1.38	3.21	3.15			

2302 - Clean Water

Balance Forward In				559		
Direct Appropriation			750	657	0	0
Transfers In			461			
Transfers Out				12		
Balance Forward Out			558			
Expenditures			653	1,204		
Biennial Change in Expenditures				1,857		(1,857)
Biennial % Change in Expenditures						(100)
Full-Time Equivalents			0.81	0.85		

2800 - Environmental

Balance Forward In		22		51		
Direct Appropriation	688	691	832	1,099	978	978
Transfers In	86	140				
Cancellations		4				
Balance Forward Out	22		50			
Expenditures	752	849	782	1,150	978	978
Biennial Change in Expenditures				331		24
Biennial % Change in Expenditures				21		1
Full-Time Equivalents	5.25	4.89	5.00	7.02	6.67	6.67

2801 - Remediation

Balance Forward In		727,799	723,640	728,715	693,864	632,284
Direct Appropriation	10,766	10,794	11,846	11,846	11,846	7,885
Open Appropriation	14,656	10,544	11,878	14,149	13,900	13,900
Receipts	855,869	18,442	27,736	22,769	18,905	14,690
Transfers In	7,198	10,334	35,246	22,800	76,400	100,000

Remediation Division

Program Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
Transfers Out	5,777	25,232	30,994	16,283	70,257	100,257
Cancellations		647				
Balance Forward Out	727,095	722,260	728,715	693,864	632,284	541,813
Expenditures	155,616	33,494	53,924	90,132	112,374	126,689
Biennial Change in Expenditures				(45,055)		95,007
Biennial % Change in Expenditures				(24)		66
Full-Time Equivalents	68.65	72.85	78.88	94.67	95.88	63.07

2802 - Closed Landfill Investment

Balance Forward In		2,561		214		
Direct Appropriation	3,000		1,622			
Cancellations		1,460				
Balance Forward Out	2,380		214			
Expenditures	620	1,101	1,408	214		
Biennial Change in Expenditures				(100)		(1,622)
Biennial % Change in Expenditures				(6)		(100)
Full-Time Equivalents		0.23	1.00			

3000 - Federal

Balance Forward In				29		
Receipts	3,396	2,695	5,145	5,089	4,539	4,539
Balance Forward Out		146	29			
Expenditures	3,396	2,549	5,116	5,118	4,539	4,539
Biennial Change in Expenditures				4,289		(1,156)
Biennial % Change in Expenditures				72		(11)
Full-Time Equivalents	19.80	17.19	27.34	21.36	19.38	19.38

Program: Resource Management and Assistance Division<https://www.pca.state.mn.us/>**AT A GLANCE**

- Provides over \$2 million in grants and loans each biennium to promote environmentally innovative projects that reduce, reuse, and recycle waste and prevent pollution.
- Enables Minnesota companies to save money, prevent pollution, prevent waste, recover resources, and conserve water through its Small Business Assistance Program, funding the Minnesota Technical Assistance Program (MnTAP), and providing other business technical assistance.
- Every \$1 granted to MnTAP results in \$3 of annual savings to businesses.
- More than 250,000 people annually visit MPCA's EcoExperience exhibit at the Minnesota State Fair.

PURPOSE & CONTEXT

The Division supports the agency's land, water, and air regulatory and assistance programs. The land program protects the environment and public health by permitting solid and hazardous waste facilities and large tank sites. The water activities include review of projects proposed for federal permits or license to protect state water quality, and work with a diverse group of public and private entities and citizens to reduce the impacts products or production activities have on water. The Non-Point Air Program works with many partners to improve air quality. Nearly 75 percent of air pollution is released from sources not traditionally regulated by the MPCA, such as cars, trucks, construction equipment, and some commercial operations.

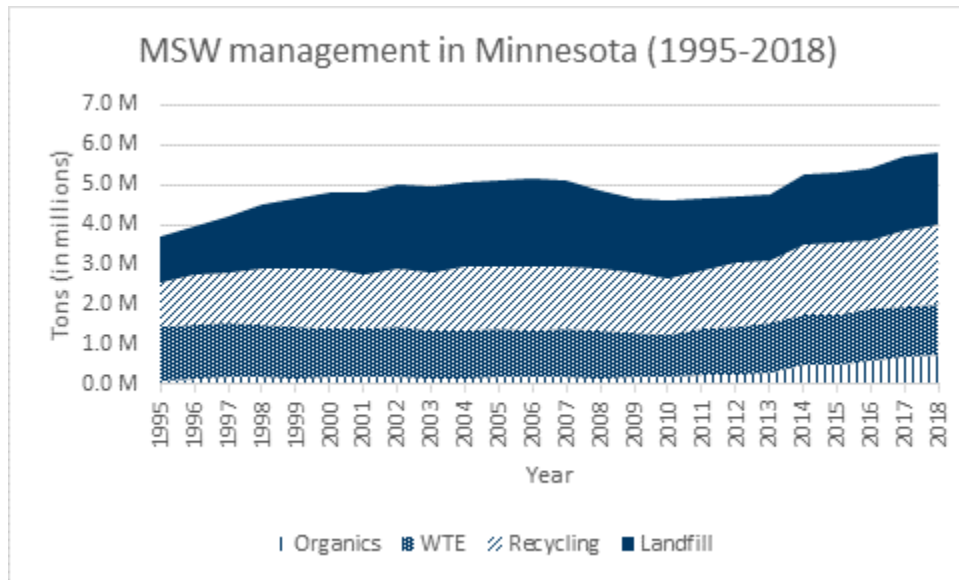
SERVICES PROVIDED

In order to accomplish its purpose, the Resource Management and Assistance Division:

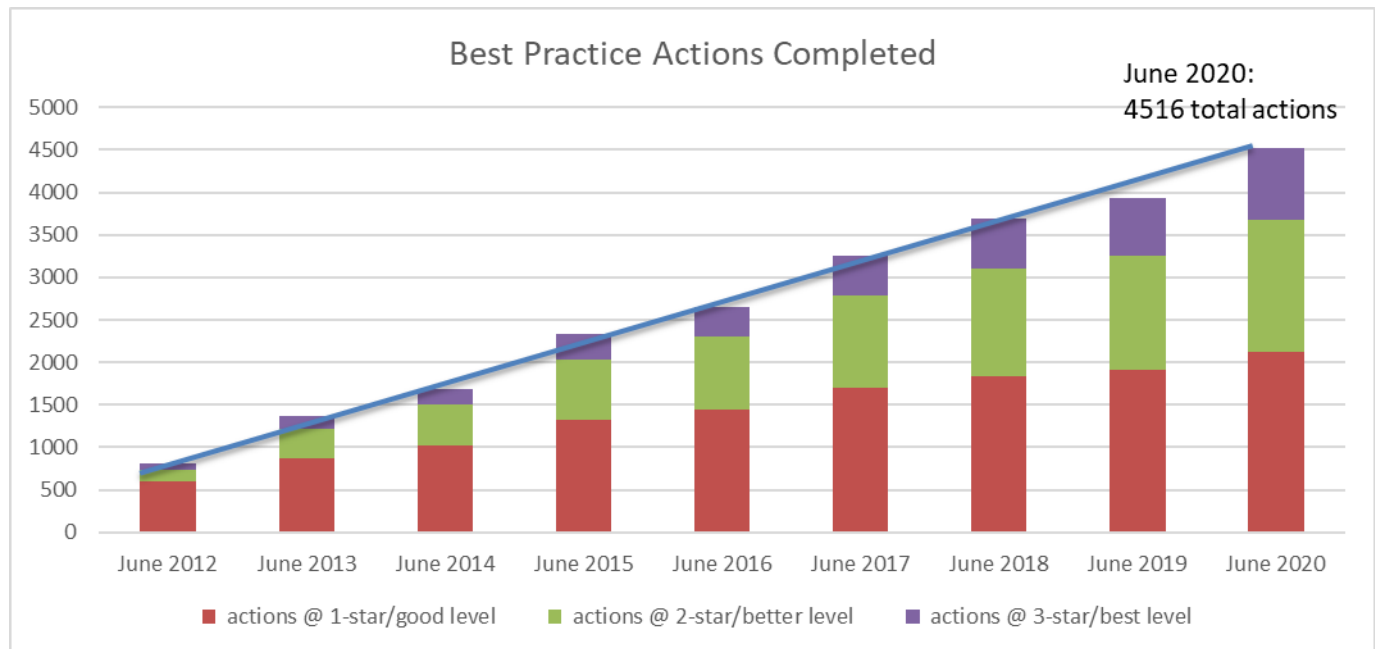
- Conducts environmental review to reduce potentially negative impacts from proposed projects.
- Writes administrative and technical rules with engagement from stakeholders.
- Works collaboratively with communities in Environmental Justice areas to reduce environmental impacts.
- Manages Section 401 water quality certifications to ensure that federally permitted/licensed projects do not violate state water quality standards.
- Works with local government to develop effective solid waste management plans and provides financial assistance to counties for waste management efforts.
- Conducts solid and hazardous waste and large tanks permitting, inspections, and enforcement.
- Oversees disposal of debris from natural disasters and other incidents.
- Provides communities and businesses with technical and financial assistance with regulatory compliance, pollution and waste prevention, air quality improvements, and sustainability efforts.
- Provides grants and loans to reduce diesel emissions from trucks and boats and other engines.
- Partners with other organizations to host the EcoExperience at the Minnesota State Fair.
- Assists communities through GreenStep Cities and Minnesota GreenCorps programs.
- Works with businesses to develop alternative products that are free of toxic chemicals, particularly children's products.
- Collaborates with other state agencies to increase procurement of environmentally preferable products and services.

RESULTS

MPCA annually collects data on waste management that includes organics management, recycling, waste-to-energy, and landfilling. What appears to be a drop in recycling from 2014 to 2015 is a change in the reporting for recycling; estimates for commercial recycling were eliminated and only measured or documented values were accepted. Estimates resulted in inflated recycling rates prior to 2014.



Minnesota GreenStep Cities is a voluntary challenge, assistance, and recognition program to help cities achieve their sustainability and quality-of-life goals. To date, 141 Minnesota cities and Tribal Nations (encompassing 49 percent of the state's population) are implementing best practice actions at a good, better, or best level.



M.S. Chapters 114D (<https://www.revisor.mn.gov/statutes/?id=114D>), 115 (<https://www.revisor.mn.gov/statutes/?id=115>), 115A (<https://www.revisor.mn.gov/statutes/?id=115A>) and 116 (<https://www.revisor.mn.gov/statutes/?id=116>).

Resource Management and Assistance Division

Program Expenditure Overview

(Dollars in Thousands)

	Actual	Actual	Actual	Estimate	Forecast Base	
	FY18	FY19	FY20	FY21	FY22	FY23
<u>Expenditures by Fund</u>						
1000 - General		1,400		1,325	300	300
1200 - State Government Special Rev	75	75	75	75	75	75
2000 - Restrict Misc Special Revenue	4,151	3,767	3,478	3,959	4,028	4,028
2001 - Other Misc Special Revenue	16	10				
2302 - Clean Water	125	100	98	257		
2403 - Gift		2,613	8,579	9,782	8,520	6,335
2800 - Environmental	34,253	37,212	36,133	39,947	38,025	38,025
3000 - Federal	1,894	1,466	2,195	3,061	2,604	2,604
Total	40,515	46,644	50,557	58,406	53,552	51,367
Biennial Change				21,805		(4,044)
Biennial % Change				25		(4)
<u>Expenditures by Activity</u>						
Resource Mgmt Assistance	40,515	46,644	50,557	58,406	53,552	51,367
Total	40,515	46,644	50,557	58,406	53,552	51,367
<u>Expenditures by Category</u>						
Compensation	10,433	11,682	12,086	12,222	11,773	11,767
Operating Expenses	6,323	5,640	8,240	13,108	10,918	10,924
Grants, Aids and Subsidies	23,755	29,235	30,212	33,059	30,844	28,659
Capital Outlay-Real Property	2	86				
Other Financial Transaction	2	1	19	17	17	17
Total	40,515	46,644	50,557	58,406	53,552	51,367
<u>Expenditures by Agency</u>						
Total Agency Expenditures	40,515	46,644	50,557	58,406	53,552	51,367
Internal Billing Expenditures	4,369	4,299	4,451	4,557	4,504	4,511
Expenditures Less Internal Billing	36,146	42,345	46,106	53,849	49,048	46,856
<u>Full-Time Equivalents</u>						
	97.98	107.42	108.92	114.50	109.92	109.92

Resource Management and Assistance Division

Program Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
1000 - General						
Balance Forward In		700		700		
Direct Appropriation	700	700	700	625	300	300
Balance Forward Out	700		700			
Expenditures		1,400		1,325	300	300
Biennial Change in Expenditures				(75)		(725)
Biennial % Change in Expenditures						

1200 - State Government Special Rev

Balance Forward In		0				
Direct Appropriation	75	75	75	75	75	75
Cancellations		0				
Balance Forward Out	0		0			
Expenditures	75	75	75	75	75	75
Biennial Change in Expenditures				0		0
Biennial % Change in Expenditures				(0)		0
Full-Time Equivalents	0.67	0.76	0.77	0.77	0.77	0.77

2000 - Restrict Misc Special Revenue

Balance Forward In		82	130	16		
Receipts	4,163	3,813	3,486	3,943	4,028	4,028
Transfers In	70					
Transfers Out		0	123			
Balance Forward Out	82	128	16			
Expenditures	4,151	3,767	3,478	3,959	4,028	4,028
Biennial Change in Expenditures				(482)		619
Biennial % Change in Expenditures				(6)		8
Full-Time Equivalents	2.49	2.33	1.46	0.08	0.08	0.08

2001 - Other Misc Special Revenue

Receipts	16	10				
Expenditures	16	10				
Biennial Change in Expenditures				(26)		0
Biennial % Change in Expenditures				(100)		

Resource Management and Assistance Division

Program Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
Full-Time Equivalents	0.20					

2302 - Clean Water

Balance Forward In			25	177		
Direct Appropriation	125	125	250	104	0	0
Transfers Out				24		
Balance Forward Out		25	176			
Expenditures	125	100	98	257		
Biennial Change in Expenditures				130		(355)
Biennial % Change in Expenditures				58		(100)
Full-Time Equivalents	0.76	0.68	0.67	1.00		

2403 - Gift

Balance Forward In			4,432	2,531		
Receipts		5,047	6,678	7,251	8,520	6,335
Balance Forward Out		2,433	2,531			
Expenditures		2,613	8,579	9,782	8,520	6,335
Biennial Change in Expenditures				15,747		(3,506)
Biennial % Change in Expenditures						(19)
Full-Time Equivalents		4.46	5.13	4.60	4.60	4.60

2800 - Environmental

Balance Forward In		5,342	4,222	5,642	2,995	2,954
Direct Appropriation	32,842	32,877	34,900	34,999	35,324	35,324
Receipts	3,020	3,155	2,974	2,735	2,735	2,735
Transfers In	3,745	115				
Transfers Out	27	24	23	26	26	26
Net Loan Activity	16	113	(299)	(408)	(49)	(49)
Cancellations		145				
Balance Forward Out	5,342	4,222	5,641	2,995	2,954	2,913
Expenditures	34,253	37,212	36,133	39,947	38,025	38,025
Biennial Change in Expenditures				4,615		(30)
Biennial % Change in Expenditures				6		(0)

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
Full-Time Equivalents	82.03	87.47	89.03	93.48	89.90	89.90

3000 - Federal

Receipts	1,894	1,466	2,195	3,061	2,604	2,604
Expenditures	1,894	1,466	2,195	3,061	2,604	2,604
Biennial Change in Expenditures				1,896		(48)
Biennial % Change in Expenditures				56		(1)
Full-Time Equivalents	11.83	11.72	11.86	14.57	14.57	14.57

Program: Watershed Division

<https://www.pca.state.mn.us/>

AT A GLANCE

- Develops watershed restoration and protection strategies for 80 Minnesota major watersheds with local water resource managers to ensure most efficient implementation action.
- In partnership with counties, registers or permits, assists, and inspects the state's 18,000 feedlot operations that are required to be registered. Approximately 14,000 of these feedlots are in delegated counties and approximately 4,000 are in non-delegated counties for which the MPCA has direct regulatory responsibility.
- The Clean Water Partnership Loan Program provided \$13 million in interest-free loans to 21 counties and watershed districts for local improvement projects in FY19/FY20.
- Clean Water Act Section 319 federal funding provides \$2.8 million per year to local partners to implement waterbody restoration and protection actions in 10 prioritized watersheds.

PURPOSE & CONTEXT

The Watershed Division works with local partners to ensure that Minnesota has clean water to support aquatic life, healthy communities, and a strong economy.

- Watershed Restoration and Protection Strategy (WRAPS) reports use watershed science to identify water pollution problems and sources, and strategies to address them. WRAPS help inform and guide local water planning and state permitting activity and ensure the most efficient use of funding to reduce and prevent water pollution.
- Minnesota's vibrant animal agriculture industry provides significant economic benefits to the state, and properly managed manure contributes to soil health. The Division permits 1,200 larger operations to ensure their feedlots and manure application do not harm the state's waters. The 50 delegated county feedlot programs register and work with approximately 14,000 smaller livestock operations to meet the same goals.
- The Clean Water Partnership Loan Program provides about \$6.6 million per year for projects focused on restoring and protecting waters, with most of the funding used to address failing or noncompliant septic systems. Federal Clean Water Act Section 319 Small Watershed Focus Program grants provide over \$2.8 million per year for watershed restoration and protection and leverages almost \$2.2 million in state and local match.

SERVICES PROVIDED

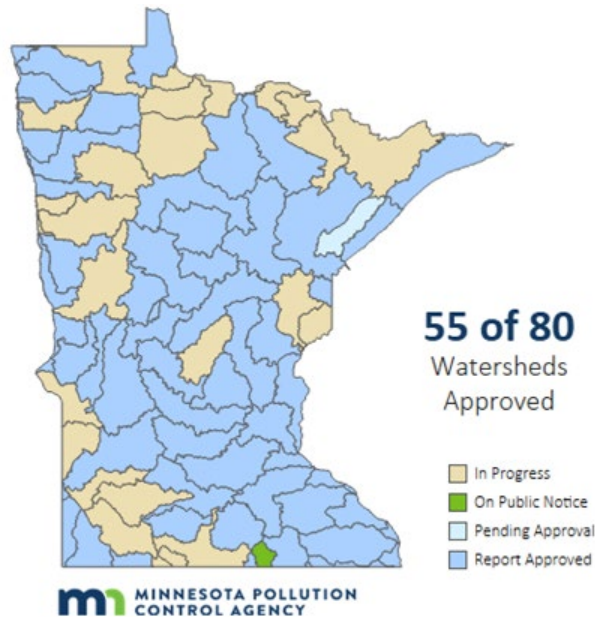
The Watershed Division conducts activities to ensure that the state's lakes, rivers, streams, and groundwater are clean, healthy, and sustainable. These activities include:

- Investigating the causes and sources of water pollution problems, including stream sampling and providing training on monitoring for local partners.
- Developing and using comprehensive watershed computer models to fill in data gaps and to run scenarios of options for addressing pollution issues. Providing a user-friendly interface to allow local partners to run modeling scenarios.
- Working with local partners, and providing them funding, to develop WRAPS reports for all 80 major watersheds. These reports are a blueprint for local water resource managers to use in their local water plans, and more than two thirds of the reports are complete across the state.
- Tracking progress of watershed activities in achieving water quality goals.

- Coordinating the use of and updating the statewide Nutrient Reduction Strategy to address the effects of excess nutrients in our waters and as far away as the “dead zone” in the Gulf of Mexico.
- Facilitating and overseeing grant, contract, and loan awards of state and federal funds to local partners for water quality projects, including Clean Water Fund WRAPS development, Clean Water Partnership Loans, and federal Clean Water Act Section 319 implementation grant projects.
- Issuing feedlot permits, overseeing delegated county programs, providing compliance assistance, conducting inspections, and as necessary taking enforcement. The program uses a risk-based inspection approach in coordination with the U.S. Environmental Protection Agency over the last few years.

RESULTS

WATER RESTORATION AND PROTECTION STRATEGY REPORTS COMPLETED OR PUBLICLY NOTICED



MPCA AND COUNTY FEEDLOT PROGRAMS' ACTIVITIES

Approximately 18,000 feedlots are registered statewide.

Activity	MPCA	County
National Pollutant Discharge Elimination System (NPDES) and State Disposal System (SDS) Permitted Facilities	1,192 NPDES & SDS <ul style="list-style-type: none"> • 1,138 General Permits • 54 Individual Permits (53 NPDES, 1 SDS) 	Counties are not authorized to issue NPDES and SDS permits.
Inspections:		
• Compliance	201	1,515
• Construction	116	202
• Land application	4	83
• Complaint	33	53

*Inspection stats are from 10/1/2018-9/30/2019; Permits issued is current status. Registration numbers are 2018 (most current).

Minnesota Statutes, Chapters, 115 (<https://www.revisor.mn.gov/statutes/?id=115>), 115A (<https://www.revisor.mn.gov/statutes/?id=115A>) and 116 (<https://www.revisor.mn.gov/statutes/?id=116>) provide the agency with its main authorities to provide regulatory, monitoring and assistance services.

Watershed

Program Expenditure Overview

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
<u>Expenditures by Fund</u>						
1000 - General	2,071	1,945	1,959	1,959	1,959	1,959
2302 - Clean Water	8,966	11,704	6,790	8,393		
2800 - Environmental	6,987	7,166	7,105	7,480	7,142	7,142
2801 - Remediation	226	218	207	261	234	112
3000 - Federal	6,168	5,811	5,546	6,309	6,206	6,156
Total	24,417	26,843	21,606	24,402	15,541	15,369
Biennial Change				(5,252)		(15,098)
Biennial % Change				(10)		(33)

Expenditures by Activity

Watershed	24,417	26,843	21,606	24,402	15,541	15,369
Total	24,417	26,843	21,606	24,402	15,541	15,369

Expenditures by Category

Compensation	10,799	10,852	10,804	11,044	7,471	7,379
Operating Expenses	10,791	12,956	6,516	8,239	2,932	2,902
Grants, Aids and Subsidies	2,825	2,883	4,178	5,114	5,138	5,088
Capital Outlay-Real Property	1	0				
Other Financial Transaction	1	151	108	5		
Total	24,417	26,843	21,606	24,402	15,541	15,369

Total Agency Expenditures	24,417	26,843	21,606	24,402	15,541	15,369
Internal Billing Expenditures	5,210	5,087	4,362	4,330	2,529	2,499
Expenditures Less Internal Billing	19,208	21,756	17,244	20,072	13,012	12,870

<u>Full-Time Equivalents</u>	117.44	115.20	110.40	118.97	73.60	72.10
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Watershed

Program Financing by Fund

(Dollars in Thousands)

	Actual	Actual	Actual	Estimate	Forecast Base	
	FY18	FY19	FY20	FY21	FY22	FY23
1000 - General						
Balance Forward In	0	12				
Direct Appropriation	1,959	1,959	1,959	1,959	1,959	1,959
Transfers In	112					
Cancellations		26				
Balance Forward Out			0			
Expenditures	2,071	1,945	1,959	1,959	1,959	1,959
Biennial Change in Expenditures				(98)		0
Biennial % Change in Expenditures				(2)		0
Full-Time Equivalents	0.70					

2050 - Environment & Natural Resources

Direct Appropriation		7,300				
Cancellations		7,300				

2302 - Clean Water

Balance Forward In		1,919	1,399	1,808		
Direct Appropriation	10,849	11,078	7,660	6,600	0	0
Transfers Out			461	15		
Balance Forward Out	1,883	1,293	1,809			
Expenditures	8,966	11,704	6,790	8,393		
Biennial Change in Expenditures				(5,487)		(15,183)
Biennial % Change in Expenditures				(27)		(100)
Full-Time Equivalents	36.10	37.10	35.42	37.82		

2800 - Environmental

Balance Forward In		93		338		
Direct Appropriation	7,043	7,063	7,442	7,142	7,142	7,142
Transfers In	36	58				
Cancellations		48				
Balance Forward Out	92		337			
Expenditures	6,987	7,166	7,105	7,480	7,142	7,142
Biennial Change in Expenditures				432		(301)
Biennial % Change in Expenditures				3		(2)

Watershed

Program Financing by Fund

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
Full-Time Equivalents	55.10	54.21	51.18	57.55	52.00	52.00

2801 - Remediation

Balance Forward In		1		27		
Direct Appropriation	218	218	234	234	234	112
Transfers In	9	15				
Cancellations		17				
Balance Forward Out	1		27			
Expenditures	226	218	207	261	234	112
Biennial Change in Expenditures				24		(122)
Biennial % Change in Expenditures				5		(26)
Full-Time Equivalents	2.85	2.71	2.58	2.75	2.75	1.25

3000 - Federal

Receipts	6,168	5,811	5,546	6,309	6,206	6,156
Expenditures	6,168	5,811	5,546	6,309	6,206	6,156
Biennial Change in Expenditures				(123)		507
Biennial % Change in Expenditures				(1)		4
Full-Time Equivalents	22.69	21.18	21.22	20.85	18.85	18.85

8200 - Clean Water Revolving

Balance Forward In		22,066	24,669	6,389	434	634
Receipts	286	246	218	200	200	200
Transfers In	22,072					
Transfers Out			5,000			
Net Loan Activity	(4,405)	2,358	(13,498)	(6,155)	0	0
Balance Forward Out	17,953	24,669	6,389	434	634	834

Program: Environmental Quality Board<https://www.eqb.state.mn.us>**AT A GLANCE**

- Board made up of public members appointed by the Governor from each of Minnesota's eight Congressional Districts and the heads of nine state agencies.
- Oversight of the Environmental Review Program per the Minnesota Environmental Policy Act (1973).
- Convenes monthly public meetings on the third Wednesday of every month to provide a forum for the public and state leaders to collaborate on environmental policy.
- Leads interagency coordination on emerging environmental issues.
- Convenes Environmental Congresses, advisory panels, and other public events and processes to provide avenues for meaningful public engagement.
- Provides support to Local Governments on environmental review and the implementation of other environmental policies and programs.

PURPOSE & CONTEXT

Problems related to the environment often encompass the responsibilities of several state agencies. Developing innovative solutions that meet the diverse needs of Minnesotans requires the close interaction of these agencies as well as opportunities for public participation. The Environmental Quality Board facilitates strategic interaction of multiple state agencies, stewards environmental review processes that cross domains and jurisdictions, and provides forums for the public to engage in policy making processes.

The Environmental Quality Board works to strategically:

- Ensure adequate review and foster public understanding of proposed projects that have the potential for significant environmental impact.
- Provide a public forum for discussion of state environmental policies and programs.
- Develop and lead an integrated response to complex environmental issues with broad cross-sector impacts.
- Support local partners with guidance and technical resources.
- Foster connections and facilitate collaborative problem solving on issues related to the environment, health, transportation, agriculture, and energy.
- Enrich the understanding of the ecological systems and natural resources important to the state and nation.

SERVICES PROVIDED**Environmental Review**

- Customer service: Provide technical assistance to project proposers, governmental units, and the public through guidance documents, online resources, technical presentations, and one-on-one assistance as requested.
- Measurement and accountability: Monitor statewide environmental review activities, measure the effectiveness of the program, report on results and trends, and identify areas for future improvement, assistance, and educational opportunities.
- Continuous improvement: Improve effectiveness and create efficiencies for citizens, governmental units, and project proposers through administrative rule revisions, training, and updated program guidance and tools.

Interagency Coordination and Strategic Planning

- Educate and advise: Provide written reports to the governor, legislature, and state and local agencies on priority environmental issues, including policy considerations and economic analyses.
- Coordinate: Lead and facilitate interagency working groups to establish an integrated response to complex environmental issues with broad cross-sector impacts.
- Outreach: Convene advisory panels to ensure citizen and stakeholder input informs state policies.
- Intergovernmental partnerships: Provide technical assistance to local governments and facilitate state-local partnerships to advance environmental goals.

Public Engagement

- Engage: Convene public meetings, stakeholder discussions, and environmental congresses to provide a forum for public dialogue with agency leaders to build mutual understanding, foster cross-sector connections, and collaborate on solutions. Plan monthly board meetings to foster public participation in decision making processes.
- Inform: Produce public reports on key environmental issues of interest to Minnesota citizens. Distribute via board meeting packets relevant scientific, economic, and policy documents that help citizens be informed on policy making processes.

RESULTS

- Processed environmental review projects and general notices in the *EQB Monitor*, including (for Fiscal Year 2020): 50 general notices, 10 citizen petitions, 62 Environmental Assessment Worksheets, 17 Alternative Urban Areawide Reviews, 5 Environmental Impact Statements, and 77 total associated records of decision.
- Finalized administrative rule revisions to streamline Environmental Review and held training for local governments.
- Finalized Enterprise Environmental Review and Technical Services Master Contract Program to improve document quality and increase efficiency in contracting process and held a training for local governments.
- Led and facilitated an interagency technical team to examine how climate change could be effectively and efficiently integrated into Environmental Review.
- Hosted an Environmental Congress in December 2019 in Mankato for 300 attendees and 100 online viewers.
- Led and facilitated an interagency effort to develop recommendations for addressing challenges associated with Emerald Ash Borer in Minnesota.
- Led and facilitated an interagency effort to develop the 2020 State Water Plan focused on sustainable water management in the context of climate change.
- As directed by Executive Order 19-28, facilitated an interagency pollinator protection team and developed an annual update to the Pollinator Report as well as a civic engagement process.
- Facilitated an interagency study assessing the barriers and opportunities for solar development on Minnesota's closed landfills.
- Assisted 137 cities and 4 Tribal Nations through the GreenStep Cities program.

M.S. [116C](#) & [116D](#) provide the legal authority for Environmental Quality Board operations and initiatives.

Environmental Quality Board

Program Expenditure Overview

(Dollars in Thousands)

	Actual FY18	Actual FY19	Actual FY20	Estimate FY21	Forecast Base	
					FY22	FY23
<u>Expenditures by Fund</u>						
1000 - General	1,071	992	1,020	1,201	1,081	1,081
2800 - Environmental	184	201	371	215	193	193
2801 - Remediation			233	67		
Total	1,256	1,192	1,624	1,483	1,274	1,274
Biennial Change				659		(559)
Biennial % Change				27		(18)

Expenditures by Activity

Environmental Quality Board	1,256	1,192	1,624	1,483	1,274	1,274
Total	1,256	1,192	1,624	1,483	1,274	1,274

Expenditures by Category

Compensation	697	707	855	944	891	891
Operating Expenses	559	485	769	539	383	383
Total	1,256	1,192	1,624	1,483	1,274	1,274

Total Agency Expenditures	1,256	1,192	1,624	1,483	1,274	1,274
Internal Billing Expenditures	308	272	311	311	311	311
Expenditures Less Internal Billing	947	920	1,313	1,172	963	963

Full-Time Equivalents

	7.55	7.07	8.41	8.59	8.70	8.70
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Environmental Quality Board

Program Financing by Fund

(Dollars in Thousands)

	Actual	Actual	Actual	Estimate	Forecast Base	
	FY18	FY19	FY20	FY21	FY22	FY23
1000 - General						
Balance Forward In		142	59	120		
Direct Appropriation	1,072	1,076	1,081	1,081		
Transfers In	91					
Transfers Out		150				
Cancellations		17				
Balance Forward Out	92	59	120			
Expenditures	1,071	992	1,020	1,201	1,081	1,081
Biennial Change in Expenditures				158		(59)
Biennial % Change in Expenditures				8		(3)
Full-Time Equivalents	6.27	5.74	7.04	7.15	7.40	7.40
2800 - Environmental						
Balance Forward In		8		22		
Direct Appropriation	192	193	393	193		
Cancellations		0				
Balance Forward Out	8		22			
Expenditures	184	201	371	215	193	193
Biennial Change in Expenditures				201		(200)
Biennial % Change in Expenditures				52		(34)
Full-Time Equivalents	1.28	1.33	1.13	1.20	1.30	1.30
2801 - Remediation						
Balance Forward In				67		
Direct Appropriation			300			
Balance Forward Out			67			
Expenditures			233	67		
Biennial Change in Expenditures				300		(300)
Biennial % Change in Expenditures						(100)
Full-Time Equivalents			0.24	0.24		