

Cost Comparison	2022	2023	2024	2025	2026	5 Year Cost
Alpena County Annual Costs	25,640	26,142	25,099	26,414	27,729	131,024
Applied Imaging (5 year lease)	28,890	30,517	34,250	36,851	39,438	169,947
Applied Imaging (Replace all in yr 1)	35,232	35,232	35,232	35,232	35,232	176,160
Miller Office Machines (4 year lease)	20,019	23,368	23,368	23,368	23,368	113,491

Alpena County estimates have 5% inflation rate
Assumes county only replaces a printer when it fails
Assumes 70,000 b/w copies and 7,000 color per year

	2022	2023	2024	2025	2026	5 Year Cost
Alpena County Annual Costs	25,640	26,142	25,099	26,414	27,729	131,024
Miller Office Machines (4 year lease)	20,019	23,368	23,368	23,368	23,368	113,491
Estimated Savings	5,621	2,774	1,731	3,046	4,361	17,533
PaperCut MF						18,360
PaperCut NG						4,250

County Estimated Printer Lease Cost

	2020	2021
Toner	6,228.34	8,767.93
Konica	4,243.37	3,463.36
Miller	7,208.00	7,181.00
MOS	1,918.14	1,028.76

Total	21,617.85	22,462.05
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Replace Obsolete Printers

	2022	2023	2024	2025	2026
Equalization Xerox		3,000			
Sheriff Corrections	2,800				
Clerks badge printer					
Probate	800				
Prosecutor			800		
ROD				500	
Central Dispatch				400	
Other					1,000
Total	3,600	3,000	800	900	1,000

Per page costs	22,040	23,142	24,299	25,514	26,729
Printer replacement costs	3,600	3,000	800	900	1,000
Total annual cost	25,640	26,142	25,099	26,414	27,729

Printer Lease Notes

Printers that will not be replaced

Location	Printer Type	Model	Reason
Commissioners	Print/Copy/Fax	Konica KM 558	Under lease until 4/1/2023 *
District Court	Print/Copy/Fax	Konica KM 558e	Newer multi-function printer
MSU	Print/Copy/Fax	Konica Bizhub 558	Under lease until 4/1/2023 *
Register of Deeds	Print/Copy/Fax	Konica Bizhub 227	Newer multi-function printer
Sheriff Corrections	Print/Copy/Fax	Konica Bizhub 308	Newer multi-function printer
Treasurer	Print/Copy/Fax	Konica Bizhub 287	Under lease until 4/1/2023 *
Equalization	HP Plotter		Cost not justified

*one
1x per
month*

* Currently under maintenance with Konica but would shift to Miller Office Machines at the end of the lease.

Printers that would be replaced under lease (not all printers listed here need to be placed on a lease initially)

Location	Current Printer	Replacement Printer	Age in Years
Airport Admin	Konica Bizhub 36	Konica Bizhub 227 B/W	Discontinued
Central Dispatch	Konica Bizhub 36	Konica Bizhub 227 B/W	Discontinued
Clerks	Konica Bizhub 363	Konica Bizhub 360i B/W	Discontinued
Equalization	HP 9050DN and Xerox 5550D	Konica Bizhub 808 B/W	Discontinued
Equalization	Konica Bizhub 36	Konica Bizhub 227 B/W	Discontinued
Probate	Konica Bizhub 363	Konica Bizhub 360 B/W	Discontinued
Prosecutor	Konica Bizhub 363	Konica Bizhub 360 B/W	Discontinued
Sheriff	Konica Bizhub 363	Konica Bizhub 360i Color	Discontinued
Veterans	Konica Bizhub 36	Konica Bizhub 227 B/W	Discontinued
Airport SRE	HP M451DN	HP c4000i	7
Central Dispatch	HP P4014	HP 4000i	11
Cent Disp-Dir Ofc	HP M451DN	HP c4000i	7
Cen Disp-911 Ops	HP P3015	HP 4000i	10
Clerks	HP M402DN	HP 4000i	4
Clerks-Payroll	HP M402DN	HP 4000i	4

HR	HP P3015	HP 4000i	10
Clerks-AP	HP M402DN	HP 4000i	4
Clerks-Keri	HP M402DN	HP 4000i	4
Clerks-Receipt	HP P3015	HP 4000i	10
County Admin	HP P1606	HP 4000i	8
Drug Court	HP LJ2430	HP 4000i	15
Dist Ct-Front	HP M402DN	HP 4000i	4
Equalization	HP LJ2300	HP 4000i	16
Howard Male	HP LJ2420	HP 4000i	15
IT	HP M451DN	HP c4000i	7
Maint-Garage	HP M225DN	HP 4000i	7
Probation	HP P3015	HP 4000i	10
Probate	HP P3015	HP 4000i	10
Prosec-Cynthia	HP M402DN	HP 4000i	4
Prosec-Nancy	HP P3015	HP 4000i	10
Investigator	HP CP2025DN	HP c4000i	10
Victim's Rights	HP M506	HP 4000i	4
Prosec-Asst Pros	HP P3015	HP 4000i	10
Prosec-Clerical	HP P3015	HP 4000i	10
Prosec-Front Desk	HP LJM553	HP c4000i	4
ROD	HP P3015	HP 4000i	10
ROD	HP P3015	HP 4000i	10 (2023)
ROD	Lanier LD016	HP 4000i	Unknown (2023)
Sheriff-Deputy	HP M401DN	HP 4000i	4
Sheriff-Deputy	HP M451DN	HP c4000i	7
Sheriff-Adm Asst	HP M451DN	HP c4000i	7
Sheriff-Receipt	HP P2300	HP 4000i	16
Treasurer	HP P3015	HP 4000i	10

** Current printer is B/W

Printers that will need to be replaced this year whether or not we adopt a new lease plan

Location	Current Printer	Reason
Equalization	Xerox 5550D	Obsolete-can no long buy parts
Sheriff	Konica Bizhub 363	Repeated breakdowns-old
Clerks	Badge printer	Frequent breakdowns-budgeted

Notes on Miller Office Machine quote

- Includes setup and delivery
- Cost for lease and per page are locked for the 4-year lease term

- They will do best-effort periodic printer cleaning
- They would have spare printers on the shelf for less downtime
- Will do an annual over/under adjustment to help keep budget predictable
- There is no value proposition for circuit court to move to a lease

PaperCut Appliance Features

- 2 versions, MF for primarily multi-function devices and NG for all devices
- MF tracks printing, scanning and copies
- NG only tracks printing
- Monitor system activity
- Printer error notifications
- Toner levels
- Trends and statistics
- Can designate page quotas
- Create rules to track and control printing
- Designate costs for grayscale vs. color, single sided vs. duplex
- Allows client billing – Can set account to bill for each print job, can integrate with accounting systems
- (MF only) Can setup user authentication (PIN numbers)
- Watermarking can add usernames and timestamps – users less likely to leave print jobs lying around knowing they can be traced back to them
- (MF only) Secure print release -Holds document until user enters PIN code. Less waste if jobs not picked up
- (MF only) Find-Me printing – Get print job from any printer
- Cost for MF version is \$3,700 per year
- Cost for NG version is \$850 per year

Per Miller Office Machines, we can setup PIN numbers on multi-function devices and most printers without PaperCut and track copies by PIN. Since most non-multi-function devices are department specific, we could manually track copies and printing (no charge for scanning). Unfortunately, there is no way to automate the reporting process. We would need to sign in to each multi-function printer and gather the data, which would be a fairly time consuming process, but not totally unmanageable.

Circuit Court / Other Departments

	2022	2023	2024	2025	2026 5 Year Cost	
Lease	1,468	1,995	1,995	1,995	1,995	9,448
Per Page	1,013	1,680	1,680	1,680	1,680	7,733
Total	4,503	5,698	5,699	5,700	5,701	17,181

Cost if Remain As-Is

	2022	2023	2024	2025	2026 5 Year Cost	
Toner	350	350	350	350	350	1,750
Printer Replacements	0	0	600	600	600	1,800
						3,550

Replacements	Age	
HP P1006	12	2024
HP P1006	12	2024
HP P1006	12	2024
HP P1006	12	2025
HP P3015	10	2025
HP P3015	10	2025
HP P3015	10	2026
HP P3015	10	2026
HP P1601	10	2026