

# County Council of Howard County, Maryland

2024 Legislative Session

Legislative Day No. 3

## Resolution No. 31 -2024

Introduced by: The Chairperson at the request of the County Executive

Short Title: Authorizing the sale of certain microwave network equipment.

Title: A RESOLUTION authorizing the sale of certain microwave network equipment owned by Howard County to the Maryland Institute for Emergency Medical Services Systems upon such terms and conditions as the County Purchasing Agent deems proper.

---

Introduced and read first time Mar 4, 2024.

By order Michelle Harrod  
Michelle Harrod, Administrator

Read for a second time at a public hearing on March 18, 2024.

By order Michelle Harrod  
Michelle Harrod, Administrator

This Resolution was read the third time and was Adopted , Adopted with amendments\_\_\_, Failed\_\_\_, Withdrawn\_\_\_, by the County Council on April 1, 2024.

Certified By Michelle Harrod  
Michelle Harrod, Administrator

NOTE: [[text in brackets]] indicates deletions from existing law; TEXT IN SMALL CAPITALS indicates additions to existing law; Strike-out indicates material deleted by amendment; Underlining indicates material added by amendment.

1           **WHEREAS**, Section 4.129(d) of the Howard County Code authorizes the County  
2 Purchasing Agent, with the approval of the County Executive and the County Council, to  
3 sell or lease surplus supplies to the State or any political subdivision or agency of the  
4 State, or to the Federal Government upon such terms and conditions as the County  
5 Purchasing Agent deems proper, and

6  
7           **WHEREAS**, the County owns certain microwave network equipment (the  
8 “Equipment”), as listed in the attached Exhibit A, that it no longer uses since the  
9 County’s upgrade to fiber; and

10  
11           **WHEREAS**, the State of Maryland’s Institute for Emergency Medical Services  
12 System (MIEMSS) has a use for the Equipment; and

13  
14           **WHEREAS**, the Equipment is not worth much on the resale or auction market  
15 and, accordingly, rather than surplus and auction the Equipment, the Department of  
16 Technology and Communication Services has requested the County to sell the Equipment  
17 to MIEMSS for its use; and

18  
19           **WHEREAS**, the Department of County Administration agrees with this request  
20 and believes that it is in the public interest because it will help to strengthen and support  
21 the County’s collaborative relationship with MIEMSS; and

22  
23           **WHEREAS**, the County Executive has approved the sale of the Equipment upon  
24 such terms and conditions as the County Purchasing Agent deems proper.

25  
26           **NOW, THEREFORE, BE IT RESOLVED**, by the County Council of Howard  
27 County, Maryland this   1   day of   April  , 2024 that it approves the sale of  
28 the microwave network equipment as listed in the attached Exhibit A to Maryland  
29 Institute for Emergency Medical Services Systems upon such terms and conditions as the  
30 County Purchasing Agent deems proper.

# Exhibit A

SITE	Tag Number	Description	Model Number	Serial Number	Notes	
<b>Mount Airy</b>						
	IP00203	CM6 Microwave Radio to Cooksville	06CSH28D-BODO40 (MHN6126A)	D9410497	11 IP Tagged Items	
	IP00820	Patch Panel, 28 T1 Spare	097-0128-0006	193623100001		
	IP00867	Patch Panel, 28 T1 to Montgomery EOB	097-0128-0006	186339200014		
	IP00828	Patch Panel, 28 T1 to Frederick LEC	097-0128-0006	192055000011		
	IP00842	Patch Panel, 28 T1 to Cooksville	097-0128-0006	192754500007		
	IP00833	Patch Panel, 28 T1 to Rt 40 Shelter	097-0128-0006	183876400025		
	IP00830	Patch Panel, 28 T1 to County Rack	097-0128-0006	192055000013		
	IP00891	Patch Panel, 28 T1 to State Rack	097-0128-0006	192055000012		
	IP00737	Interplex CrossConnect Server (DACs)	DCS3	071009120		
	IP00090	Switch, Catalyst 3560 Series PoE-24	WS-C3560-24PS-E	CAT0945R2QG		
	IP00647	WebPower	505861	0175		
	None	Power Supply, Flatpack DCD-3FM-200A	506539	2005403010066		
						DBM 00011960 MD016451
<b>Cooksville</b>						
	IP00976	CM6 Microwave Radio to Mt Airy	06CHH28D-KKAA20 (MHN6126A)	D0470061	5 IP Tagged Items	
	None	CM6 Microwave Radio to Dayton SHA	06CZH28D-B0E040 (MHN6126A)	122006051		
	None	Patch Panel, 28 T1 to Dayton SHA	097-0128-0006	179197800001		
	IP00975	CM6 Microwave Radio to Ellicott City	06CHH28D-BBDD20 (MHN6126A)	D0420362		
	IP00977	Dehydrator	MT050-81015	0107MTH2413		
	IP00116	Router 3800 Series	Cisco3845	FTX0949A0LW		
	IP00463	Interplex Access Server (Channel Bank)	MUX3	01026227		
	None	Power Supply, Flatpack DCD-3FM-200A	504560-2357	Unknown		
<b>Alpha Ridge</b>						
	None	CM6 Microwave Radio to Ellicott City	06CHS28D-AADD20 (MHN6126A)	D0470075	0 IP Tagged Items	
	None	Patch Panel, 28 T1 to Ellicott City	097-0128-0006	180789800002		
	None	CM6 Microwave Radio to Dayton SHA	06CHS28D-AADD20 (MHN6126A)	D470074		
	None	Patch Panel, 28 T1 to Dayton SHA	097-0128-0006	181062200001		
	None	Power Supply, Flatpack DCD-3FM-200A	504560-2357	Unknown		
	None	Dehydrator	MT050-81015	0103MTH0817		
<b>Dayton SHA</b>						
	None	CM6 Microwave Radio to Cooksville	06CZH28D-B0D040 (MHN6126A)	122006052	3 IP Tagged Items	
	None	Patch Panel, 28 T1 to Cooksville	097-0128-0006	179197800006		
	None	CM6 Microwave Radio to Alpha Ridge	06CHS28D-AAEE20 (MHN6126A)	D0470073		
	None	Patch Panel, 28 T1 to Alpha Ridge	097-0128-0006	179198000009		
	None	CM6 Microwave Radio to Howard General	06CZH28D-B0D040 (MHN6126A)	122006070		
	None	Patch Panel, 28 T1 to Howard General	097-0128-0006	179197800005		
	None	CM6 Microwave Radio to Scaggsville	06CZH28D-B0E040 (MHN6126A)	121406845		
	None	Patch Panel, 28 T1 to Scaggsville	097-0128-0006	180789800005		
	IP00346	Dehydrator	MT050-81015	0207MTH1084A		
	IP00144	Router 3800 Series	Cisco3845	FTX0949A0L8		
	IP00089	Switch, Catalyst 3560 Series PoE-24	WS-C3560-24PS-E	CAT0945R2QE		
	None	Power Supply, Flatpack DCD-3FM-200A	504560-2362	064841200058		
<b>Howard General</b>						
	None	CM6 Microwave Radio to Dayton SHA	06CZH28D-B0E040 (MHN6126A)	122606019	2 IP Tagged Items	
	None	Patch Panel, 28 T1 to Dayton SHA	097-0128-0006	179197800010		
	IP00620	CM6 Microwave Radio to Jonestown (Howard High)	06CHH28D-BBEE20 (MHN6126A)	D0470068		
	IP00787	Dehydrator	APD-20	A-070702663		
	None	Power Supply, Flatpack DCD-3FM-200A	504560-2356	064841200057		
<b>Ellicott City</b>						
	None	CM6 Microwave Radio to Alpha Ridge	06CHS28D-AAEE20 (MHN6126A)	D0470076	9 IP Tagged Items	
	None	Patch Panel, 28 T1 to Alpha Ridge	097-0128-0006	181062200005		
	None	CM6 Microwave Radio to Jonestown (Howard High)	06CHS28D-AAEE20 (MHN6126A)	D0470077		
	None	Patch Panel, 28 T1 to Jonestown (Howard High)	097-0128-0006	181062200004		
	IP00568	CM6 Microwave Radio to Cooksville	06CHH28D-BBEE20 (MHN6126A)	D0420361		
	None	CM6 Microwave Radio to Timbers	06CHH28d_BBEE20 (MHN6126A)	D0490756		
	None	Patch Panel, 28 T1 to Timbers	097-0128-0006	180176100001		
	IP00569	CM6 Microwave Radio to Rt 40	06CHS28D-JJCC20 (MHN6126A)	D0420313		
	IP00570	Interplex Access Server (Channel Bank)	MUX3	02081 6025		
	IP01211	Patch Panel, 28 T1 to Timbers	097-0128-0006	210563500009		
	IP01212	FC9681SFL1-I05	Flashwave 4100	LBFJTU03086681SFL10521213		
	None	Monitor Panel, IN/OUT 28 T1	010-0656-0027	194390500001		
	IP00777	Power Supply, Flatpack DCD-3FM-200A	504560-26251	073841200565		
	IP00900	WebPower	505861	0197		



	None	Power Supply, Flatpack DCD-3FM-200A	504560-2362	0609220100	
	IP01210	Microwave, Proteus AMT M 6GHz	Proteus AMT M Series 6 GHz	013108133	
	IP00063	Dehydrator	APD-20	A505211	
<b>Jonestown (Howard High)</b>					<b>4 IP Tagged Items</b>
	IP00514	CM6 Microwave Radio to Howard General	06CHH28D-BBDD20 (MHN6126A)	D0490067	
	IP00516	CM6 Microwave Radio to Scaggsville	06CHH28D-BBDD20 (MHN6126A)	HI062403119	
	None	CM6 Microwave Radio to BOU	06CHS28D-AADD20 (MHN6126A)	D0490754	
	None	Patch Panel, 28 T1 to BOU	097-0128-0006	180176100004	
	None	CM6 Microwave Radio to Ellicott City	06CHS28D-AADD20 (MHN6126A)	D0470078	
	None	Patch Panel, 28 T1 to Ellicott City	097-0128-0006	183582800004	
	IP00771	Power Supply, Flatpack DCD-3FM-200A	504560-26251	074143000054	
	IP00670	Dehydrator	APD-20	A-110601631	
<b>Bureau of Utilities (BOU)</b>					<b>0 IP Tagged Items</b>
	None	CM6 Microwave Radio to Jonestown (Howard High)	06CHS28D-AAEE20 (MHN6126A)	D0490755	
	None	Patch Panel, 28 T1 to Jonestown (Howard High)	097-0128-0006	180176100002	Batteries 19 April 08 Two stacks
	None	Power Supply, Flatpack DCD-3FM-200A	504560-26251	Unknown	
	None	Dehydrator	MT050-81015	0103MTH0818	
<b>Timbers</b>					<b>2 IP Tagged Items</b>
	None	CM6 Microwave Radio to Ellicott City	06CHH28D-BBDD20 (MHN6126A)	D0490757	
	None	Patch Panel, 28 T1 to Ellicott City	097-0128-0006	180176100006	
	None	CM6 Microwave Radio to Water Treatment Facility	06CHH28D-BBDD20 (MHN6126A)	D0490758	
	None	Patch Panel, 28 T1 to Water Treatment Facility	097-0128-0006	179197800003	
	None	Microwave, Proteus AMT M 6GHz	Proteus AMT M Series 6 GHz	013108134	
	None	Patch Panel, 28 T1 to Timbers	097-0128-0006	211705700009	
	None	Monitor Panel, IN/OUT 28 T1	010-0656-0027	200253600003	
	None	FC9681SFL1-I05	Flashwave 4100	LBFJTU03087681SFL10521670	
	IP00118	Router 3800 Series	Cisco3845	FTX0949A0LA	
	IP00099	Switch, Catalyst 3560 Series PoE-24	WS-C3560-24PS-E	CAT0945R2P2	
	None	Dehydrator	MT050-81015	0103MTH0815	
	None	Power Supply, Flatpack DCD-3FM-200A	504560-2357	081643100012	
<b>SDPD</b>					<b>2 IP Tagged Items</b>
	None	CM11 Microwave Radio to Scaggsville	11CHH28D-HHAA40 (MHN6126A)	122006067	
	None	Dehydrator	APD-20	A-120601778	Batteries 30May07 1 Stack
	None	Patch Panel, 28 T1 to Scaggsville	097-0128-0006	179197800008	
	None	Switch, Catalyst 2600 Series	Cisco2621XM	JMX0905L208	
	None	Power Supply, Flatpack DCD-3FM-200A	504560-2357	Unknown	
	IP01124	Phone, VoIP	CP-7975G	FCH19108L1M	
	IP01125	Phone, VoIP	CP-7975G	FCH19108KTU	
<b>Scaggsville</b>					<b>4 IP Tagged Items</b>
	None	CM6 Microwave Radio to Waste Water Treatment Plant	06CZH28D-B0D040 (MHN6126A)	122006061	
	None	Patch Panel, 28 T1 to Waste Water Treatment Plant	097-0128-0006	179197800004	
	IP00682	CM6 Microwave Radio to Jonestown (Howard High)	06CHH28D-BBEE20 (MHN6126A)	HI062403120	
	IP00683	Patch Panel, 28 T1 to Jonestown (Howard High)	097-0128-0001	11707790015	
	None	CM6 Microwave Radio to Dayton SHA	06CZH28D-B0D040 (MHN6126A)	121406044	
	None	Patch Panel, 28 T1 to Dayton SHA	097-0128-0006	179197800004	
	None	CM11 Microwave Radio to Southern District Police Department	11CHH28D-HHDD40 (MHN6126A)	121406042	
	None	Patch Panel, 28 T1 to Southern District Police Department (SDP	097-0128-0006	180176100009	
	IP00151	Router 3800 Series	Cisco3845	FTX0949AOLT	
	IP00112	Switch, Catalyst 3560 Series PoE-24	WS-C3560-24PS-E	CAT0945R2QK	
	None	Dehydrator	MT050-81015	0103MTH0845	
	None	Power Supply, Flatpack DCD-3FM-200A	504560-2363	064841200055	
<b>Waste Water Treatment Facility</b>					<b>1 IP Tagged Item</b>
	None	CM-6 Microwave Radio to Timbers	06CHH28D-BBEE20 (MHN6126A)	D0490759	
	None	Patch Panel, 28 T1 to Timbers	097-0128-0006	181626100001	
	None	CM-6 Microwave Radio to Scaggsville	06CZH28D-B0E040 (MHN6126A)	121406043	
	None	Patch Panel, 28 T1 to Scaggsville	097-0128-0006	179197800011	
	None	Router 3800 Series	Cisco3845	FTX1030A28G	
	IP00107	Switch, Catalyst 3560 Series PoE-24	WS-C3560-24PS-E	CAT0945R2PU	
	None	Dehydrator	MT050-81015	0103MTH0813	
	None	Power Supply, Flatpack DCD-3FM-200A	504560-2363	064841200056	



---

*Internal Memorandum*

Date: 02/21/2024

To: Brandee Ganz, Chief Administrative Officer  
Department of County Administration

From: Timothy Mayotte, Chief Information Officer  
Department of Technology and Communication Services

Subject: Written Testimony & Fiscal Impact Statement  
Conveyance of Radio Equipment

<sup>DS</sup>  
TM

---

The Department of Technology and Communications Services (DTCS) has upgraded the radio system to use the county's fiber network. The radio system previously used a microwave network for communications. Howard County no longer uses the microwave network.

The microwave network is currently used by Maryland Institute for Emergency Medical Services Systems (MIEMSS) for communications with hospitals, including Johns Hopkins Howard County Medical Center.

The microwave network is over 20 years old as it was installed in 1999. Support is becoming difficult to maintain as the network relies on outdated technology and parts are becoming difficult to find. The microwave network would need to be upgraded to provide reliable communication services.

MIEMSS would like to assume ownership of the microwave network and upgrade it. DTCS would like to convey ownership of the network equipment to the State of Maryland. This conveyance of ownership is mutually beneficial to both the State of Maryland and Howard County.

**Fiscal Impact**

Howard County would avoid deinstallation costs of the outdated microwave equipment, which would cost an estimated \$30,000 per site. Totaled across the county's 11 sites, deinstallation would cost approximately \$330,000. Transfer to MIEMSS would avoid this cost.

**Office of the County Auditor**  
**Auditor's Analysis**

**Council Resolution No. 31-2024**

Introduced: March 4, 2024

Auditor: Rebecca Gold

---

Fiscal Impact:

The fiscal impact of this legislation would result in savings on the maintenance costs of County-owned microwave network equipment. The Department of Technology and Communication Services (DTCS) relayed that, over the course of Fiscal Years 2022 and 2023, the County spent approximately \$9,000 to support and maintain its microwave network equipment.

If this legislation does not pass, the Administration stated it would eventually spend approximately \$360,000 (or \$30,000 per site) to remove the aging microwave network equipment from 12 sites. (The Administration's testimony stated there are 11 sites associated with a potential deinstallation, however it has since informed us that there are 12 sites.)

There are no current plans to deinstall the equipment, as the network is in active use by other government entities.

According to the Administrator of the Office of Procurement and Contract Administration (Procurement), the County will sell the equipment for a nominal fee (the amount of which has not yet been determined).

Purpose:

Council Resolution 31-2024 allows for the sale of County-owned microwave network equipment to the Maryland Institute for Emergency Medical Services Systems (MIEMSS) at the County's 12 network sites.

Other Comments:

The Administrator of Procurement informed us that a Memo of Understanding will be drafted between the County and the MIEMSS prior to the transfer of the equipment.

The DTCS confirmed that the equipment is over 20 years old and past its useful life. We reached out to the Department of Finance and validated that the equipment has been fully depreciated, with a current book value to the County of \$0.