

PS COMMITTEE #3
March 5, 2009

MEMORANDUM

March 4, 2009

TO: Public Safety Committee
FROM: Minna K. Davidson, ^{MKD} Legislative Analyst
SUBJECT: Automated External Defibrillators (AEDs) in County buildings, *continued*

In January 2008, it came to the Council's attention that there is not a clear policy about who is responsible for maintaining AEDs in the Council Office Building. To gain a better understanding about policies for maintaining AEDs across County agencies, the Public Safety and Management and Fiscal Policy Committees held a joint session last January. To follow up on the session, the Committees requested that MCFRS staff provide written responses to several questions in the packet, an inventory of AEDs in County agency buildings, and a plan for purchasing and maintaining defibrillators in County buildings.

On February 19, the Public Safety Committee reviewed draft information provided in response to the Committee's requests. Committee members were concerned that a preliminary fiscal impact indicated that an AED maintenance plan might cost as much as \$160,000 in the first year and \$125,000 in following years. MCFRS staff who were present could not clarify whether the fiscal impact was based on a centralized or de-centralized model for AED maintenance. The Committee requested that MCFRS staff provide clarification on this matter at the next Committee session.

Following the February 19 session, Council staff met with MCFRS staff on this issue. MCFRS staff agreed that before they provide proposed guidelines or a fiscal impact, it would be helpful to know how the existing AEDs are maintained. MCFRS staff conducted a survey of the agencies that currently have AEDs and obtained updated information for all but 20 of them (© 1-3). The information to date indicates that most AEDs are being maintained and the required trained personnel are being provided by the agencies where the AEDs are housed. MCFRS will complete its survey within the next two weeks.

MCFRS staff also outlined a plan for developing policies about AEDs (© 1). The plan is phased with immediate, medium, and long range issues. For the March 5 session, MCFRS staff will review the results of the survey, discuss the plan, and be available to respond to Committee questions.

This packet contains:

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MCFRS AED Information Update
Comparison list from MIEMSS for AEDs

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MCFRS AED Information Update

County Council asked that the MCFRS assist with creating a Montgomery County regulation focusing on Automatic External Defibrillators. In discussions we have identified several key concerns that need to be identified. We have divided these concerns into immediate, medium and long range issues.

Immediate issues: (to be completed by March 19, 2009)

The first concern is to quantify the current Montgomery County Government number of AEDs, training process, maintenance and point of contact (POC).

The second step is to conduct a survey of all MCG department Directors to identify any AEDs that are not recorded. These units will be entered into the MCFRS AED Database. MCFRS will coordinate this component process the information into the MCFRS AED database.

Medium issues: (to be completed by March 31, 2009)

The third step is to compare the department program standards with the MIEMSS COMAR Title 30 AED requirements and provide corrective action. This information will be developed into a MCG regulation for AED practice in MCG buildings.

Long term: (to be completed and start development March 31, 2009)

The final step is to gain clarity on the future direction of AED implementation in the MCG. Additionally a financial impact has to be determined for components of the AED regulation requiring administrative action. This process will be complete and accurate upon completion of steps 1-4.

This information will be forwarded to the Public Safety Committee for discussion at the March 5, 2009 session.

AED MCG Results as determined to date:

The results of the current data base indicate 260 AEDS. Of those units, 240 have a POC and remaining 20 can be identified by 03/06/09.

Department of Corrections

16 – Physio Control LP500 AEDs

Training mandatory annual for CPR, AED and First Aid is conducted at the PSTA and overseen by Corrections training division.

570 Trained Individuals

American Heart Certification

Daily and Monthly Checklist (MIEMSS form)

Replacement pads and batteries are purchased by Corrections training and then charged back to each division when required. If unit malfunctions, Physio Control maintenance is Point of Contact

– Daedra Carrio – AED Coordinator 301-279-1482

Montgomery County Public Schools

120 – Physio Control CR+ AEDs

All 120 are 2.5 years old

Training – provided bi-yearly to all certified personnel

Training funds--a stipend account within the Operating Budget of the Department of Facilities Management is maintained by the Athletics Unit (Office of Curriculum and Instruction). Each high school is required to have a certified AED/CPR trainer. The certified trainer then provides retraining to the designated AED/CPR staff at the school. The stipend account covers the expenses of these trainings.

Personnel Trained – 845 MCPS staff

Certification – American Heart Association

Weekly check per MIEMSS requirement utilizing their recommended form

Funding for pads and batteries comes from the Operating Budget of the Department of Facilities Management (Healthcare Supplies).

Repair – Call Physio Control Maintenance – No contract

Department of Recreation

34 at sites and 1 back up – Physio Control LP500 AEDs

Age – 18 are from 2002

Training Process – Aquatics – train life guards, Ops and full time staff

750 seasonal staff plus 21 full time. 17 of full-timers are instructors.

American Red Cross is the training standard

Maintenance Checks – Units are checked daily and is noted on Safety Inspection Record

Budget for replacement is Pads and batteries. The current units will need to be replaced in the next 5 years

Repair if it malfunctions – Call for repair through Physio Control Maintenance as needed – no contract

Melanie Sasse is POC for aquatics at 240-777-6860 or 240-832-1377 (wk. cell)

Marc Lilley is POC for Senior and Community Centers at 240-777-4938

Revenue Authority

9 – Cardiac Science AEDs

Age – Various – some > than 5 years old

Training – Full time staff is trained or refreshed every year. Seasonal staff is trained as part of their orientation with classes every 6 months

Total Trained – 45 full time plus multiple seasonal employees

Certification by – American Heart Association

Maintenance Process – Weekly check as required by MIEMSS

Pads and Batteries – Replaced from operating maintenance budget as needed.

Repair – Units sent back to manufacture as needed. No Contract

Gayle Jamison is POC at 301-762-9080 or 240-848-4481 (cell)

Sheriffs Department

6 – Physio Control LP500 AEDs

All are 6 years old

Training – Police 1st responder via yearly in service training at PSTA

Certification – National Safety Council

Number Trained –

Weekly and Monthly Checks depending on location

Physio Control maintenance is called when necessary – no contract

Pads and batteries are purchased when necessary out of the general maintenance budget

Capt. Mark Bonanno is POC at 240-777-7000

Montgomery College

49 – Physio Control LP500 and CR+ AEDs

All are 2 years old

Security Staff is trained in CPR/AED and First Aid

Number Trained – 65

American Heart Association

Maintenance – Daily Check on security rounds

Pads and Batteries – Replaced when past due or show low battery and purchased from campus operating budget

Repair – Call Physio Control Maintenance – No Contract

POC – David Capp 240-567-7357

Robert Wirth 240-567-4308

DPWT

Total of 5 – Physio Control AEDs 4 – LP500s and 1 – LP1000

Oldest – 2005 (4)

Training – Bi-annually by MCFRS CPR Instructors on OT charge back

Number Trained -

Certification – American Heart Association CPR/AED First Aid

Maintenance - Checked weekly and recorded on MIEMSS Check sheet

Pads and Batteries – Replaced as needed and purchased from operating maintenance budget

Repair – Call Physio Control Maintenance as needed – No Contract

Contact – Deborah Aceto 240-777-5740

Following agencies do not have established contacts and unable to obtain information today.

Others still to be defined.

MC Silver Spring Urban District – has 2 AEDs

MCPD – Told all stations have them which I have 9 listed

Maryland Nat. Cap. Park and Planning – 3 AEDs listed but not contact

COB – 3 in building

EOB – Security has 2 and 1 on 12th floor lobby

Comparison list from MIEMSS for AEDs:

A. To be eligible for approval or renewal of approval, a training program shall:

(1) Submit an application on a form approved by MIEMSS, along with a complete description of the course curriculum;

(2) Be:

(a) A nationally recognized AED training program, or equivalent as determined by MIEMSS;

(b) A Maryland Higher Education Commission accredited post-secondary institution; or

(c) An emergency services training academy operated by any city, county, or municipal government;

(3) Use instructors who:

(a) Have either

(i) Successfully completed a nationally recognized AED instructor training program, or

(ii) Been approved by MIEMSS as emergency medical services instructors; and

(b) Provide proof of current proficiency in AED instruction;

(4) Use a nationally recognized AED training curriculum, including any curricula developed by the American Heart Association, the American Red Cross, the National Safety Council, or the United States Department of Transportation, which, at a minimum, includes the following training objectives:

(a) Briefly define, explain, describe, or identify the importance of AED and the principles of early defibrillation;

(b) Explain the components of an appropriate response to sudden cardiac arrest and how early defibrillation fits into the concept;

(c) Briefly define, explain, describe, or identify the rationale that supports the concept of early defibrillation;

(d) Briefly describe or identify the types of AEDs that are available;

(e) Describe or identify the indications for the AED;

(f) Describe or identify contraindications to the AED;

(g) Briefly explain or identify how the automated analysis of cardiac rhythm occurs;

(h) Briefly explain or identify how these devices respond to ventricular fibrillation and rapid ventricular tachycardia;

- (i) Explain or identify what modifications to CPR procedures are necessary when the AED is being operated;
 - (j) Describe or identify the appropriate age guidelines;
 - (k) Explain or identify the procedural steps for performing AED;
 - (l) Given a minimum of three patient care scenarios in which the AED is indicated, properly demonstrate use of the device and explain why the device is appropriate or not appropriate; and
 - (m) Define, explain, describe, or identify site-specific hazardous environment safety precautions and considerations for AED use;
- (5) Provide training in the Maryland protocol for public access defibrillation;
- (6) Require and provide refresher AED training which addresses all of the cognitive and psychomotor skills objectives as required in the initial training consisting of a minimum of:
- (a) 4 hours every 2 years for an AED training course incorporating CPR; and
 - (b) 3 hours every 2 years for an AED training course which does not incorporate CPR;
- (7) Have a medical director; and
- (8) Maintain a quality control program including instructor evaluation and review.
- B. MIEMSS shall approve each AED training program which meets the requirements of §A of this regulation.
- C. Each approval or renewal of approval shall be:
- (1) Valid for 1 year; and
 - (2) Renewed for an additional year at the end of that period without making further application, if the training program continues to meet the requirements for approval in compliance with this subtitle.