Research has shown that the availability of an automated external defibrillator (AED) can dramatically increase the survival rate for a victim of sudden cardiac arrest. According to the American Red Cross, sudden cardiac arrest is one of the leading causes of death in the U.S. and for each minute defibrillation is delayed, the chance of survival is reduced approximately 10%.

The provisions of Chapter 552 of the Laws of 1998 authorize a Public Access Defibrillation (PAD) program which is designed to encourage greater acquisition, deployment and use of automatic external defibrillators in communities around the state in an effort to reduce the numbers of deaths associated with sudden cardiac arrest.

Kathy Adam in conjunction with a local American Red Cross Account Executive for Preparedness, Health & Safety, has been investigating the feasibility of installing an AED in the Library. In order to be authorized to have a PAD program and utilize an AED a number of steps must be completed.

**Program Requirements**

1. **A New York State licensed physician or New York State based hospital must agree to participate in a collaborative agreement.**
   - The Library, in cooperation with the Red Cross would identify a local physician willing to participate in the Collaborative Agreement between the Library and the Emergency Health Care Provider (physician). There may be a cost for a physician to agree to participate although physicians will often assist at no cost.

2. **Select an AED that is in compliance with current state guidelines.**
   - There are many AEDs which are compliant and would cost less than $2,000.

3. **Select and use an approved PAD training course for AED users.**
   - There are no specific regulations regarding the number of staff to be trained other than a trained staff member must be available to use the AED. Training would be provided for all administrators, supervisors and
the building maintenance mechanic (12 people). Security guards are also trained in CPR/AED. Recertification would be required every two years.

4. Develop with the Emergency Health Care Provider a written collaborative agreement which includes detailed written protocols for the use of the AED and written policies and procedures for the PAD program.
   - This requirement would involve the development of new procedures and Board policy.

5. Provide written notice to the 911 ambulance dispatch entity of the availability of AED service at the Library.

6. File the appropriate paperwork with the Regional EMS Council of the Hudson Mohawk Valleys.

**Program Costs**

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Initial Cost</th>
<th>Replacement Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>AED unit including wall cabinet</td>
<td>$1,500 - $2,000</td>
<td>-</td>
</tr>
<tr>
<td>Adult and pediatric replacement pads (replace every two years or when used)</td>
<td>Included</td>
<td>$170 every two years</td>
</tr>
<tr>
<td>Batteries</td>
<td>Included</td>
<td>$164 every four years</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Training</th>
<th>Initial Training Cost</th>
<th>Recertification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult and Pediatric CPR/AED training – training of 12 staff members</td>
<td>$1320 ($110 per person)</td>
<td>$660 every two years ($55 per person)</td>
</tr>
</tbody>
</table>

The startup costs for the program would include the purchase of the AED unit and the initial certification training for approximately 12 people for a total cost of between $2,820 and $3,320. There may also be a cost for a physician to agree to serve as the Emergency Health Care Provider. Ongoing maintenance costs for the AED are minimal and the re-certification cost for the 12 staff members would be $660 every two years.
**Program Administration**

If the AED is used to defibrillate a person, the library must report the incident to the appropriate Regional EMS Council.

**Recommendation**

It is recommended that the Library Board approve the implementation of a Public Access Defibrillation (PAD) Program at the Clifton Park-Halfmoon Public Library. Between 1,000 and 1,500 people are welcomed into the library facility every day. By providing an AED and implementing a PAD program, the Library would be taking an additional step to safeguard patron health.

The implementation process will take a number of months to complete and will include the development and approval of Board policy and procedures, the procurement of the AED, identification of an Emergency Health Care Provider and training of staff.

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