



LEXINGTON FAYETTE
EMERGENCY MANAGEMENT

OUTDOOR WARNING SIREN SYSTEM

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Director Emergency Management

OUTDOOR WARNING SIREN FACTS

- 27 sirens with voice capability
- Located in Parks, Tates Creek Golf Course
- Life expectancy of an electronic siren is approximately 15 years
- Initial installation 1979
- Six of the original sirens have never been upgraded (33 yrs old)
- 14 sirens 12 yrs old
- 6 sirens with current technology
- Siren voice $\frac{1}{4}$ mile 24,467 population
- Siren sound $\frac{1}{2}$ mile 103,923 population



OUTDOOR WARNING SIREN HISTORY

- 1979 - 8 sirens installed
- 1980 - 7 more sirens installed
- 1982 - 1 siren added
- 1987 – grant application for 12 additional sirens
Not funded
- Nov 1988 - DEM formed
- 1988-1995 – Sirens maintained
- 1996-1997 - Siren Plan developed
- 1997 - Sirens removed



OUTDOOR WARNING SIREN HISTORY

- 1997-1998 – 11 of 16 original sirens refurbished
Placed in Parks (5 not repairable)
- 1998 - 10 new sirens were purchased
with grant funding
- 1999 - Added two new sirens
- 2000 - UK added one siren to the system



REFURBISHED WARNING SIRENS IN PLACE TODAY – NO UPDATE SINCE 1997

- Woodland Park
- Kirklevington Park
- Veterans Park
- Kenawood Park

**DUE TO OBSOLETE DESIGN, THESE
SIRENS CANNOT BE REFURBISHED OR
REPAIRED. THEY MUST BE REPLACED**



REFURBISHED WARNING SIRENS IN PLACE TODAY – UPDATED PAST TWO YEARS

- Tates Creek Golf Course - 2010
- Jacobson Park – 2010
- Police Headquarters – 2010*
- Constitution Park - 2010
- Lansdowne-Merrick Park - 2011
- Idlehour Park - 2011
- Douglass Park – 2012
- Shillito Park - 2012



2ND OLDEST SIRENS INSTALLED 1999-2000

- Athens Park
- Castlewood Park
- Coolivan Park
- Garden Springs Park
- Highland Park
- Masterson Station
- Cardinal Run Park
- Gainesway Park
- Mary Todd Park
- Meadowthorpe Park
- Pleasant Ridge Park
- Southland Park
- Valley Park
- UK Campus
- KY Horse Park 2010



NEW SIREN COSTS

Year	Local	State	Federal	Other
1979	31,260 (8)		31,260	
1980	32,200 (7)		32,200	
1982	4,322 (2)		4,322	
1988	887.50 Repairs		887.50	
1998	30,182 (10)	19,224	120,000	
1999	16,000			
2000				14,585 UK



FUNDING REQUESTS FOR NEW SIRENS

YEAR	# Sirens Requested	\$ Requested	Approved Funding
FY 1998	10	157,000	0
FY 1999	10	150,000	32,000
FY 2000	10	160,000	0
FY 2001	8	125,000	0
FY 2002	10	170,000	0
FY 2003	2	34,000	0
FY 2004	1	18,000	0
FY 2005	1	19,000	0
FY 2006	1	19,000	0
FY 2007	1	20,000	0
FY 2008	1	21,000	21,000 bond
FY 2009	0	0	0



FUNDING REQUESTS FOR NEW SIRENS

YEAR	# Sirens Requested	\$ Requested	Approved Funding
FY 10	0	0	0
FY 11	0	0	0
FY 12	0	0	
FY 13	3	80,817	0



SIREN MAINTENANCE COSTS

- Prior to 2001 Building Maintenance, Parks and Recreation and Police ComTech maintained the sirens out of their budgets.
- In FY 2000, DEM asked for parts dollars
- In FY 2001, DEM asked for parts and contractor support dollars.



SIREN MAINTENANCE COSTS

Year	Repair cost requested	Funding approved	Upgrade
FY 2003	23,120	23,120	
FY 2004	21,610	21,160	
FY 2005	20,000	19,000	
FY 2006	18,000	18,000	
FY 2007	22,000	22,000	
FY 2008	22,000	22,000	10,900.
FY 2009	27,300	24,570	3,850.00 TC/3,945 Const



SIREN MAINTENANCE COSTS

YEAR	Repair Costs Requested	Funding Approved	\$ Upgrade
FY 10	30,500	30,500	22,467.00 JP CSEPP
FY11	30,500	30,500	9,625 Idlehour & Lansdowne
FY 12	40,900	40,900**	Requested 60,000 (o) 4,300 Douglass
FY 13	40,900	40,900	Requested 94,712 (7)



SIREN REPLACEMENT COSTS

Type	Unit costs	Total
6 oldest sirens	10,511	53,566
6 oldest sirens installation	5,000	30,00
14 middle sirens	10,511	147,154
14 middle sirens installation	5,000	70,00
Updates 7 redone siren to digital voice	760	5,320
New locations (siren only)	20,516	123,096
New location (installation)	7,116	42,696



NEW SIREN REPLACEMENT NON-VOICE

Location	Unit price	Total price
27 sites sirens only	18,653	503,631
27 sites installation	7,208	194,616



RECOMMENDED NEW SIREN LOCATIONS

- Kearney Hills Golf Links
- Picadome Golf Course
- Stonewall Park
- Martin Luther King Park
- Liberty Park
- Mt Tabor Park



QUESTIONS





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