

EMS options for Kennett Township 2016

Recommendation: 16-10 Designate a single provider of emergency medical services.
 (VFIS Final report pages 84-85/216) <clarification/changes>

Option	PROS	CONS
Continue current operations	None	Dual administrative costs Uncoordinated operational functions Different levels of care Cost will continue to increase
Assign Longwood Fire Company as primary provider of ALS and BLS	Single provider for entire area Coordinated operational functions Integrated with local fire company Standard level of care (BLS and ALS)	Cost EMS integrated with the <one> fire service <Morale impact on Kennett Fire Company>
Upgrade Kennett Fire Company to an ALS service	Keep service <hyper> local <in Boro>	Cost Duplication of service already provided Lack of regional cooperation/strategy
Contract all EMS operations to a private company or non-profit	Initially cost may be less	Less local control/influence Decisions based on business model/financial aspects Can leave area based on business model Not integrated with fire service Providers are not local
Establish a new stand-alone non-profit EMS organization	May be more cost effective in the long term Service can expand into other healthcare opportunities	Initial start-up costs Concerns about continuing sustainability Duplication of locally provided services

EMS options for Kennett Township in 2021

Aspect of EMS	Current	Proposed Change	Difference
2 suppliers & 3 ambulances (KT 34% of ambulance calls in 2019)	KFC 1 BLS LFC 1 & 2/3 ALS	LFC 2 ALS (one in western Township or Boro)	-1 BLS
<u>UHU</u> (1.5 hours per call)	20%	27%	+7%
<u>Response Time West of Bayard ALS</u>		decrease in western part of KT (and Boro)	decrease in western part of KT (and Boro)
<u>Missed Calls in all 6 Municipalities (standard <10%)</u> BLS transport ALS transport No transport	4.5% = 148/(3118+148) 60 40 48	6.5% (estimate)	+2% (estimate) (lower with a Quick Response System and Police Department responder)
<u>Cost (billable) West of Bayard transport</u> BLS ALS	\$970 \$1,845	\$1,240 \$1,395 (estimate)	+270 per transport -\$450 per transport
<u>Cost EMS Commission 6 Municipality Region</u> (15% increase in 2021)	\$2,059,582	\$1,806,872	-\$252,710
<u>KT Cost EMS Commission</u> 2020 was \$469,957 2021 (30% of EMS Commission funding) 2022 estimates (assume no change overall)	\$591,521 \$617,875 (estimate)	\$591,521 \$576,706 (estimate)	0 -\$41,169 (estimate)

Chase Car Model

- 1 and 1/3 MICU at LFC to Cover 4.5 other municipalities in commission
- 1 BLS Ambulance and 1 LFC Chase Car at KFC to cover KT West of Bayard Rd and Borough
- Billable ALS Cost to KT Residents \$1,845 (+450)
- Decreased ALS Response Time West of Bayard Road
- UHU in KT and Borough= 23% Ambulance and 12% Chase Car
- Increased regional EMS Costs: \$386,301 + Capital

EMS Comparison with Chase Car

	Current	Proposed Change	Chase Car Model
Structure		2 24/7 MICU at LFC Eliminates KFC Ambulance	Partial decrease of LFC MICU Retains KFC Ambulance, adds 24/7 Chase Car at KFC
UHU (1.5 hours per call)	20%	27%	23% AMB & 12% Chase Car
Response Time (ALS)		Decrease in western part of KT (and Boro)	Decrease in western part of KT (and Boro)
Missed Calls		Increased 2%	Unknown (Likely not worse)
Cost (Billable) to West of Bayard Transport	\$970	\$1,240	\$970
BLS	\$1,845	\$1,395	\$1,845
ALS			
<u>Cost EMS Commission 6 Municipality Region</u>	\$ 2,059,582	\$ 1,806,872	\$ 2,193,173
<u>KT Cost EMS Commission</u>	\$ 591,521	\$ 576,706	Significant increase in cost to EMS Commission

Chase Car Model Compared to 2, 24/7 MICU: Pro/Con Summary

Pro	Con
Retains KFC Ambulance	Oversaturates Region with Personnel (+3)
Reduces BLS bill to end user West of Bayard Road	Increases Regional EMS Costs (Capital)
Paramedic could situationally serve in third call role	Increases ALS bill to end user West of Bayard Road, and, Maintain dual charge process
	Increases KT and Borough contribution to EMS Commission

MICU v Chase Car in Chester County

- Total MICU Only: 5
- Total Chase Car Only: 1
- Total MICU and Chase Car: 9

Station #	MICU	ALS Squad (mainly Supervisor Chase Car)
2	X	X
3	X	
4	X	X
25	X	X
1-44	X	
46	X	X
55	X	X
67	X	X
87	X	X
94		X
83	X	
84	X	
85	X	
93	X	X
D15	X	X

Missed Calls

- Missed Calls Standard <10%
- Estimated Increase of 2% to total of 6.5%
- High Acuity Calls: CPR, AED, Overdoses, ALS Choking
 - LFC Quick Response System (QRS)- “Third Due”
 - Police Department
 - Average On Scene Time in 2019: ~15-20 minutes