GEMS
YOUR EMERGENCY ROOM ON WHEELS”

6200 calls, 4300 patients transported, 60-65% required Advanced Life Support
GEMS Mission

To provide the highest level of pre-hospital emergency medical care to reduce the risk of death and disability due to trauma and sudden illness

Because of GEMS, Greenwich was the First HeartSafe community in CT

“GEMS YOUR EMERGENCY ROOM ON WHEELS”
THE MAKING OF GEMS

- GEMS founded as a not-for-profit by the Town
  - Town and Hospital would provide in-kind services for cost effectiveness and efficiencies
  - Arms length liability
  - Ability to raise funds by private donations for vehicles and medical equipment

- Over the years, $6.5 million has been raised providing funds for 25 ambulances, 18 quick response vehicles, Special Operations Unit, constantly upgrading medical equipment, and maintaining state-of-the-art technology to provide optimal patient care

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SYSTEM DEVELOPMENT

• Patient care driven system
  – Based upon medically based response times to optimize positive patient outcomes,
    • 70-75% of calls in 5 minutes or less and 90-95% in 8 minutes or less

• Response time studies
  – Initially identified three strategically located stations
  – And provided data to establish shifting patterns.

• In 2004, response time studies identified the need for a fourth station along the King Street corridor.

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GEMS STATION LOCATIONS

“GEMS YOUR EMERGENCY ROOM ON WHEELS”
TOWN CONTRACT WITH GEMS

Performance based contract to provide Advanced Life Support paramedic service to the Town

- Identifies in-kind services...primarily the provision of stations
  - 1986—Parkway School ..., station 3, admin., training
  - 1990 Cos Cob School fire...moved to two rooms at parkway and art barn for station 3, training moved to the Armory rental
  - 1993-requested to leave Parkway, relocated to rental at 1111 E. Putnam
  - 2005—due to conditions of Art Barn, moved station 3 to trailer
  - 2005-TOWN PURCHASED PROPERTY ON King street-Station 4
  - 2008—Art Barn renovation for station 3 completed

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GEMS FACILITIES LONG RANGE PLAN

• 2004- Town planned for GEMS Administration, Operations management, and Training to be included in Public Safety complex.

• 2005 Town purchased property on King Street and approved use for GEMS Station 4.

• January 2010—GEMS cannot be accommodated in Public Safety Complex

• July 2010—King Street location will not accommodate GEMS and proposed fire station.

• It is now 2012, and GEMS still needs a Station 4 and Headquarters

“GEMS YOUR EMERGENCY ROOM ON WHEELS”
GEMS SERVICES TO THE TOWN

- Responds to all 911 medical calls providing cutting edge technology and advanced medical protocols to maximize patient outcome.
- EMS training for police and fire
- Provided 495 hours staffing the EOC during storms over the past 2 years.
- In 2010-2011 trained 4,050 citizens in CPR/AED
  - CPR, AED, first aid training in the 6th, 8th, 10th, and 12th grades
  - Trains 62 first response teams in all public buildings, schools, beaches, and ferries.
  - Provides emergency response plans and provides CPR/AED training for 31 corporations, businesses, private clubs, and private schools
- Provides 200-240 standbys per year for special events, polo, sporting events
- Provides 25-40 community educational events, which includes 3rd grades
- Provides professional certification courses, EMT, ACLS, PALS

“GEMS YOUR EMERGENCY ROOM ON WHEELS”
HISTORY AS A PROGRESSIVE SERVICE

• 1987 - External Pacemaker
• 1989 - Pulse Oximeter
• 1995 - 12 Lead EKG
• 1997 - A.E.D.’s in police cars
• 1999 - First in State to utilize electronic PCR’s
• 2001 - Rapid Sequence Intubation
• 2005 - Auto-pulse
• 2009 - Induced Hypothermia and glide scope
• Continual up-grading medications and procedures

“GEMS YOUR EMERGENCY ROOM ON WHEELS”
MEASURE OF SUCCESS

PATIENT OUTCOMES

A 2008 CARDIAC ARREST SURVIVAL NATIONAL STUDY CITED:

- National average 8% survival
- Seattle was the highest at 16%

GEMS CARDIAC ARREST SAVE RATE IS 34-40%

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“GEMS YOUR EMERGENCY ROOM ON WHEELS”
STATION 4 CREWS QUARTERS

• Day room
• Kitchen facilities
• Resting quarters
• Bath and shower facilities
• Bunk space for holdover crews during storms
• Office work space

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STATION / VEHICLE NEEDS

- **CT statutes require ambulance patient compartment to be maintained at 70 degrees F.**
- **In 2008 Art Barn (station 3) renovations provided the first garaging for two ambulances.**
- **All other stations do not provide garaging which requires:**
  - Installation of heaters in patient compartment
  - Provision of 220 power to ambulances
  - Idling of engines in freezing weather to prevent diesel sludge
- **Garaging would extend the life of an ambulance by 2-3 years.**

“GEMS YOUR EMERGENCY ROOM ON WHEELS”
### Station # 4 – Proposed Budget

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<th>Soft Costs</th>
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<td>Design/Engineering/Other Consultants</td>
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<td>Soft Cost Contingency</td>
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<td><strong>Total Project</strong></td>
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"GEMS YOUR EMERGENCY ROOM ON WHEELS"