

Leisure Services July 4th 2026 (Saturday), Courses of Action



City of
Lake Worth
Beach
FLORIDA

The Art of Florida Living.SM



Executive Summary

This new business presentation outlines proposed courses of action for the CoLWB's 250th American Independence Celebration. It compares cost, experience, and logistical factors among fireworks, drone, and hybrid shows and seeks Commission direction to move forward.



July 4th Roadmap

- July 4th, 2022 Fireworks display was satisfactory, and an additional show was added to the Little Scream Event at no cost to the city.
- 2023 the City issued RFP #23-208 for a fireworks display for July 4th; no submissions in response to the RFP and subsequently canceled the RFP.
- November 14th, 2023 the City entered into a goods and services agreement with Explosive Touch Enterprises LLC., as they were the lowest compliant quote.
- July 4th, 2025 was a delayed & lackluster fireworks performance.
- July 19th, 2025 the Leisure Services Department presented to commission and direction was to cancel the contract, explore other options/courses of action.
- Following this presentation, request direction from commission.



July 4th Lexicon

- **Fireworks** -- most traditional but have add on options
 - Pyrotechnics with music choreography (pyromusicals)
 - Pyrotechnics with mad minute finale
 - Pyrotechnics variations-with altitude and burst radius
- **Drone shows** – new energy and large crowd producers
 - Variations include # of drones, altitudes and # of animations
 - Also offer music choreography
- **Hybrid Show with Drones and Fireworks**-- customizable to scope and scale for event outcomes
 - Offset locations—to account for time and space separation



Fireworks

Pros

- Traditional celebration
- Affordable within budget
- Widely visible from miles away
- Sync to music choreography
- 10-20 minutes of run time

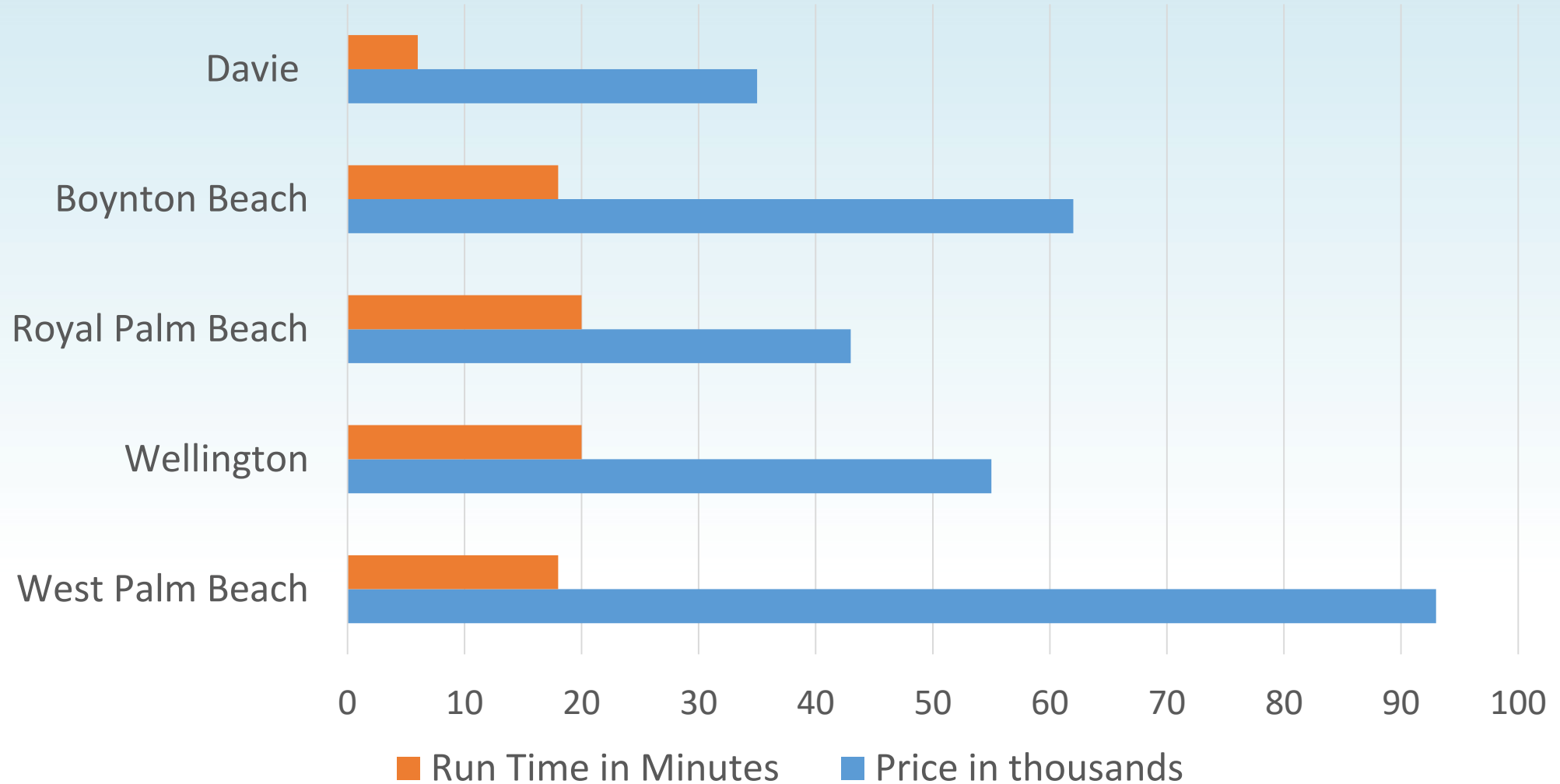
Cons

- Noise disturbs residents and pets
- Cleanup required afterward
- Requires strict fire safety measures
- Not ecologically friendly



2025 Fireworks Cost Comparison

2025 Costs vs Run





CoLWB Historical Fireworks July 4th

- Fireworks launched from the golf course and visible from the city. (Hole #7)
- Drone location would need to be determined and separated from the Fireworks Launch Zone



Golf Course
Hole #7

Golf Course
Hole #6



Drones

Pros

- Lower fire and debris risk
- Quieter and pet-friendly
- Customizable graphics or messages to celebrate Lake Worth Beach
- Environmentally friendly
- Modern appeal and fresh new idea for the city

Cons

- High cost & demand — larger drone counts needed
- Shorter duration (under 10 minutes)
- Easily canceled by wind or light rain
- Requires larger open-air launch areas away from crowds
- Lower visibility for the community with the 200-400 feet flight zone
- Complicated logistics of launch and spectator areas at beach during Turtle Season

2025/26 Drone Show Cost Comparison

City	Drone Expenses	Drones
Pompano Beach	\$75,000	300 Drones (12 animations)
Deerfield Beach	\$67,500	Unknown
Davie	\$35,000	200 Drones (10 animations)
Ocala	\$150,000	600 Drones (20 animations)
St. Petersburg	\$115,000	700 Drones



Drones and Fireworks Hybrid

Pros

- Appeals to both nostalgia and modern visuals
- Customizable graphics or messages leading into firework finale
- Numerous add on options, such as synchronization to music
- Offers ability to conduct in two locations-split operation

Cons

- Higher costs and high demand
- Drones could be canceled by wind or light rain
- Additional Parking and Shuttles needed
- Bridge closure could be extended



Tentative Drone Concept Layout

(26.613346835491942, -80.03800842456029)

Show Date

07/04/2026

Flight Duration

15 minutes

Acceptable Thresholds

<20mph sustained windspeed

<30mph gusting windspeed

Clouds must be >1000 feet AGL

Visibility must be >3 statute miles

Airspace

Class: G

Nearby Airports

Palm Beach County Park/Lantana Airport - 3mi SW

Palm Beach International Airport - 6mi NW

FedEx Palm Beach Airport - 6mi NW

Client-Specific Instructions

- Barricades for drone setup area
- Security for exclusion zone area



2025 Drones and Fireworks Hybrid Budget Comparison

City	Expenses	Event Description
Deerfield Beach	\$141,393	Drone show on the beach with proposed Fireworks from a barge
Davie	\$70,000	200 Drones (10 animations) with firework finale

Drone, Fireworks & Hybrid Cost Estimates and Budget

Item	Expenses	Details	Lake Worth Beach	FY26 Budget
Drone Show	\$40,000-\$80,000	200-300 Drones 6-10 minutes	Fireworks	\$30,000
Fireworks	\$20,000-\$30,000	8-10 minutes	Entertainment (Stage & Children's activities)	\$20,000
Total	\$60,000-\$110,000	<i>Recommend bracketed multi-year agreement</i>	Safety & Security and Barricades	\$17,000
			Total	\$67,000



July 4th 2026 Courses of Action

- Option 1- Fireworks
 - Proceed with procurement for 10-20 minute fireworks display and/or add-on options
 - Music choreography, mad minute finale
- Option 2- Drone Show
 - Proceed with procurement of 200 count Drone Show
 - Budget amendment to proceed with a higher count drone show
- Option 3- Hybrid Drone and Fireworks show
 - Budget amendment to proceed with procurement for a Hybrid Drone and fireworks show with multiple vendors
- *Option 4 – Hybrid Drone and Fireworks show at offset locations; Beachfront Area and Bryant Park (same as option 3 but 2 locations)*