

Formula 1 Race Hosting

Office of the Commission Auditor
Miami-Dade Board of County Commissioners



Objectives

Summarize

- Summarize all pertinent background and history of the F1 racing circuit.

Identify

- Identify challenges experienced by previous host cities.

Categorize

- Categorize any environmental impact that should be considered by the host community before and after the racing event.

Background



- The Fédération Internationale de l'Automobile (FIA) is the governing body for all auto racing events including the Formula 1 series, it is headquartered in Paris, France and consist of 246 member organizations in 145 countries worldwide.
- The first Formula 1 race was the Turin Grand Prix that was hosted by Turin Italy on September 1, 1946.
- Since inception, there have been over one thousand (1,000) races hosted in 31 countries.

United States Race Hosting History



United States Race Hosting Summary

1. Long Beach CA, Long Beach Grand Prix **(1976-1983) ***
2. Riverside- Moreno Valley, California **(1958, 1960) ***
3. Las Vegas, Caesar's Palace Grand Prix **(1981-1982) ***
4. Phoenix **(1989-1991) ***
5. Fair Park, Dallas Grand Prix **(1984) ***
6. Circuit of the Americas -Austin TX **(2012-present) ***
7. Detroit, Detroit Grand Prix **(1982-1988) ***
8. Indianapolis **(2000-2007) ***
9. Watkins Glen- New York **(1961-1980) ***
10. Sebring International Raceway, Sebring, Florida **(1959) ***
11. San Francisco, American Grand Prize **(1915)**
12. Santa Monica, American Grand Prize **(1914, 1916)**
13. Milwaukee, American Grand Prize **(1912)**
14. Roosevelt Park- New York, Vanderbilt Cup **(1936-1937)**
15. Savannah GA, American Grand Prize **(1908-1911)**

**Formula 1 events*

Formula 1 Revenue and races



Formula 1 is considered a major racing event around the world:

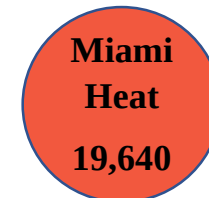
\$1.827 Billion and **21 races** (2018)

\$1.783 Billion and **20 races** (2017)

Attendance Comparison



- Average attendance per F1 race weekend for 2018 was 195,000
- Average attendance at home games for the Miami Dolphins in 2018 was 65,560
- Average attendance at home games for the Miami Heat in 2018 was 19,640



Sample of Contractual Terms



- **Hosting agreements normally call for a 10-year term**
- **Giving the F1 promoter access to City properties and locations during the “Event Window”**
- **Internship and Vocational Opportunities**
- **Formula 1 and its Promoters usually require a Clean Zone ordinance**
- **Air quality and environmental initiatives**



Concerns in host cities

Noise Pollution

Air Pollution

Light Pollution

Traffic Inconvenience and
Road Closures

Noise pollution

- At different points on the track, at its loudest, it measured close to **140 dB** this is above the pain threshold
- 2014 regulation, new cars are 11 decibels lower than before (134 dB compared to the previous 145 dB)
- In comparison, the decibels during a rock concert is between 100 dB and 120 dB





Air Pollution

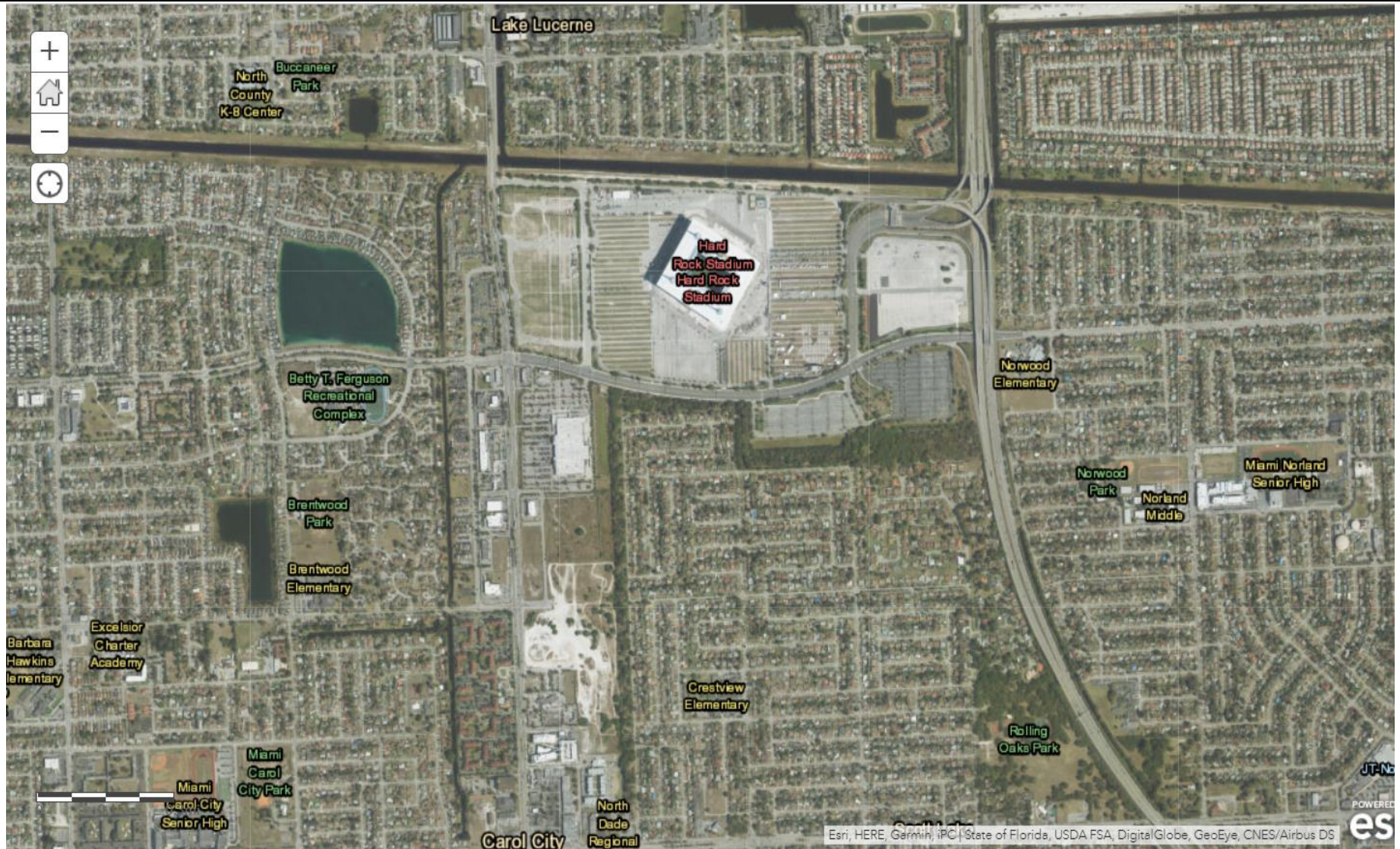
- Air pollution is a mixture of solid particles and gases in the air (Car emissions, chemicals etc.)
- **Tires** of race cars, which shred into tiny (tire degradation) particles over the course of the race are poisonous

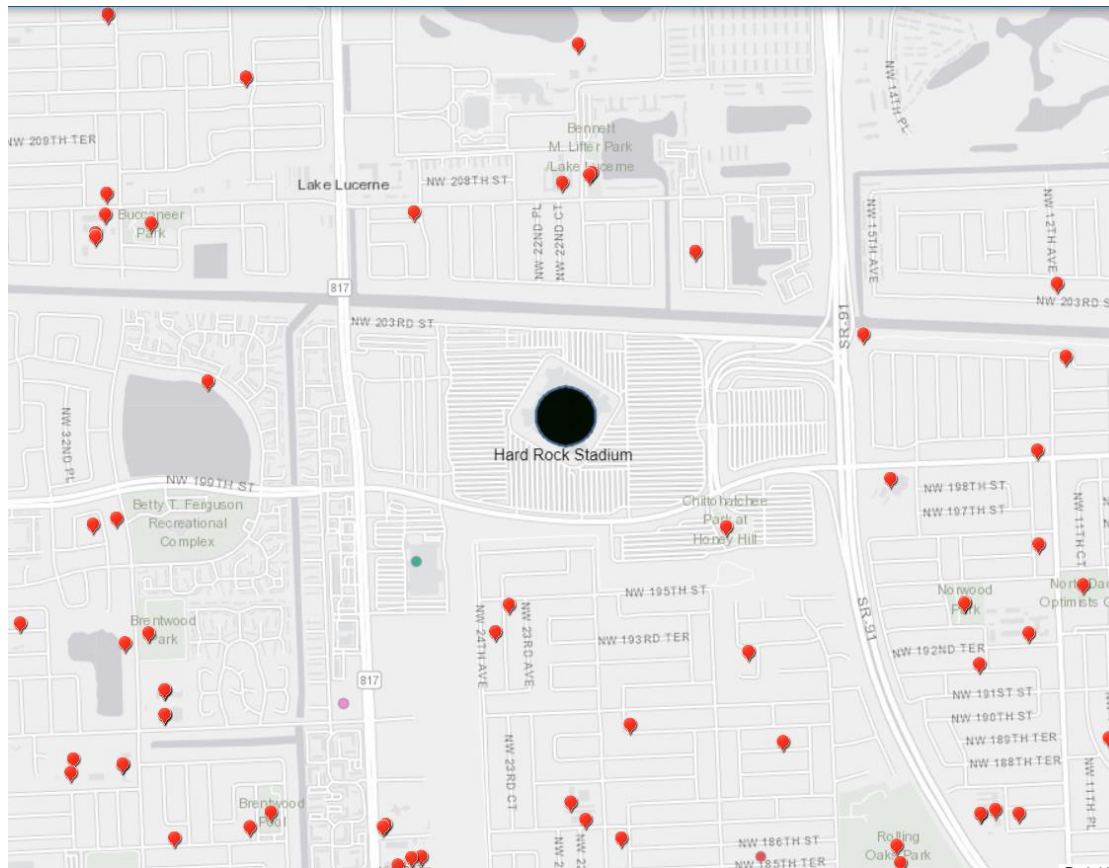


Light pollution

- Light pollution is excessive, misdirected, or obtrusive artificial
- Poses a threat to nocturnal wildlife, having negative impacts on plant and animal physiology and can confuse the migratory patterns of animals

Traffic Inconvenience and Road Closures





Designated Critical locations

- Parks
- Daycares
- School
- Libraries
- Group homes
- Assisted living facilities
- Grocery, Drug and Box Stores

END OF PRESENTATION