FFL Program Listening Session

HOA & SB2080
Artificial Turf
FFL checklist for new constructions (commercial, governmental, multi & single family)
Questions & Answers
FFL Program Listening Session

HOA & SB2080 (F.S. 373.185; F.S. 720.3075)

Several disputes between HOA and homeowner

Pre-suit mediation
FFL Program Listening Session

HOA & SB2080 (F.S. 373.185; F.S. 720.3075)

Does not invalidate ARB of HOA

Does not address common areas
What is artificial/synthetic turf?

Artificial turf is a surface manufactured from synthetic fibers made to look like natural turfgrass.
What are the chemicals in synthetic turf?

 Metals (As, Pb, Mn, Zn )
 Semi Volatile Organic Compounds(SVOCs)
 Polycyclic Aromatic Hydrocarbons (PAHs)
What are some potential health and safety considerations related to synthetic turf?

Chemical exposure
Heat stress
Ecological impact
Research findings

When synthetic turf field is newer rubber granules contained PAHs above health based soil standards Zn contents were found to far exceed the soil limit

(Zhang et al., 2008. J. Exposure Science & Env. Epidemiology)
Research findings

Synthetic turf surfaces were found to have substantially higher surface temperature than natural turfgrass. Surface temp of synthetic turf can be 93°C on a day when air temp is 37°C. Heat transfer from the surface is significant to contribute physiological stress that may result in series health related problems.

(McNitt et al. 2006. Penn State University)

Jason Kruse [http://www.youtube.com/watch?v=dU2qLRrPDYg](http://www.youtube.com/watch?v=dU2qLRrPDYg)
A scoping level Field Monitoring Study of Synthetic turf fields and play grounds by USEPA (EPA/600R-09/135, Nov. 2009)

Limited scale study in recreational fields

Air samples for Integrated particulate matter and wipe samples for VOCs

Results reported here may not be representative of environmental conditions found at other sites
Synthetic turf does not require fertilizer or pesticides but

Do not help to filter air and water pollutants
It may contribute exposure to hazardous chemicals
Do not fix CO2 and release O2
It needs to be disposed within 8-9 yrs
It is costly
Why FFL Program does not promote artificial turf

- Human exposure to contaminants
- Heat retention
- Ecological impact
- Cost
THANK YOU!