

From: [FACTS](#)
To: citycouncil@cityofpetaluma.com; -- City Clerk; [REDACTED]; [REDACTED] [Ellis, Evelyn](#); petalumaplanning@ci.petaluma.ca.us; [REDACTED]
Cc: [REDACTED]; [Chong, Cindy](#); [ParkshKec](#); [Hays, Kevin](#); [REDACTED]; [REDACTED]; [Bolt, Christopher](#)
Subject: Lucchesi filed was 171 degrees today
Date: Sunday, July 16, 2023 9:33:45 PM
Attachments: [image.png](#)
[image.png](#)

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Dear Council, Commissions, and Committees,

Please forward this public comment to any new members in your committees not included above, whose emails are not available yet. Thank you for your help.

It was hot this weekend! The Families Advocating for Chemical and Toxics Safety (FACTS) team was out measuring temperatures across Petaluma in today's heat. Specifically, we measured the Lucchesi, East Washington, and Casa Grande sports fields areas.

As you can see, below, heat island effect of artificial turf is real:

- **171 degrees at Lucchesi** - 71 degrees hotter on plastic turf than natural grass
- **163 degrees at Casa Grande HS** - 67 degrees hotter on plastic turf than natural grass
- **162 degrees at E. Washington Fields** - No comparison available because no natural grass exists up there, it's all plastic

Please choose natural grass fields instead of continuing to install dangerously hot, forever chemical, heat island, and soil-dead-zone-creating artificial turf in Petaluma.

Sincerely,
FACTS

Lucchesi Park 1 pm 93 deg.
171 on Plastic Grass
100 on growing grass in sun
145 Asphalt Hospital parking

Petaluma Community Sports
aka E. Washington 1:15pm 96
162 on soccer field

125 Concrete walkways

130 Asphalt parking

Casa Grande High School

football/track 1:40 pm. 95deg.

163 middle football

145 Track

124 Concrete

96 Baseball left field grass