



KICKOFF

Five Bay Rivers District and five Peninsula District teams hold first football practices Monday. In Sports

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NEW TOOL BOILS DOWN CLIMATE CHANGE RISKS

NOAA offering a closer glimpse into the future, down to community level

By **TAMARA DIETRICH**
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Hot enough for you? Well, stick around — it'll get even hotter.

A new Climate Explorer interactive online tool from the National Oceanic and Atmospheric Administration offers a glimpse at two possible climate futures

through the end of the century, depending on how much heat-trapping gases are added to the atmosphere.

The tool drills down to the community level, enabling property owners, city planners and others to gauge their risk to floods or storm surge or temperature extremes and take action accordingly.

Newport News, for instance, experienced seven or eight days a year with maximum temperatures above 95 degrees Fahrenheit back in 1950. But the frequency of hot days has been growing ever since.

If global carbon dioxide emissions stop increasing and stabilize, the site indicates residents could experience about 25 95-plus temperature days by 2100.

But, if global emissions continue to increase under a "business as usual" scenario, buckle up for about 85 sizzling days a year.

The goal of this new tool, NOAA scientists say, is to help individuals and communities become more resilient as the climate changes.

"Resilience by definition is the

See **CLIMATE/Page 4**

Sizzling details

■ Newport News experienced seven or eight days a year with temperatures above 95 degrees in 1950.

■ Residents could experience about 25 95-plus temperature days by 2100 if emissions stabilize.

■ If emissions continue to increase, then it will be about 85 sizzling days a year.

MORE ONLINE

To access the toolkit and Climate Explorer, go to **toolkit.climate.gov**. Visit **dailypress.com/science** for more local environmental news.



JOE FUDGE/DAILY PRESS PHOTOS

PUTTING IN PIPES

The Hampton Roads Sanitation District is replacing a four-decades-old sewer line in Newport News. The \$8 million project involves installing nearly 2 miles of 42-inch-diameter sewer in the northern part of the city. The project is scheduled to be finished in September 2017. The district said the project is a necessary part of a larger effort required by the federal government to reduce overflow of sewage when heavy rains hit the area. **Above and right:** Construction crews place large sewer pipes into the ground in front of Menchville High School, along Menchville Road.



EMOTIONAL SENATOR THANKS RICHMOND

Tim Kaine also gets in digs at Trump

By **TRAVIS FAIN**
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RICHMOND — Tim Kaine came home Monday to thank the place that made him and then to beat up on Donald Trump.

At a high school rally, Kaine again criticized Trump over his back-and-forth with Khizr and Ghazala Khan, the Charlottesville couple who lost their son in Iraq. He also ticked off some of the details behind the quip he has quickly adopted as Hillary Clinton's vice presidential running mate:

"Do you want a 'you're hired' president, or a 'you're fired' president?" Kaine asked

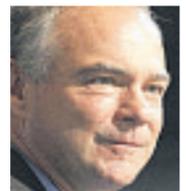
Richmond.

But first, Virginia's junior U.S. senator told the hometown crowd this would be his most difficult speech of the campaign.

"Everything I've learned, I've learned from you," he said.

He spoke of politics, church and a 32-year partnership with his wife, Anne Holton.

"We come to know God through looking in the eyes of other people," he said. "Every time we interact with somebody we can come to



Kaine

Inside

■ Reactions to Donald Trump's feud with Muslim soldier's family. **Page 3**

■ Trump campaigns in Ohio, continues a criticism of the Khans. **Page 9**

See **KAINE/Page 4**