

## **Kentucky Lottery Daily Game Drawings:**

*Prepared by KY Lottery staff*

- A Random Number Generator (RNG) is a computer program that randomly selects winning numbers which can't be predicted and are certified by an external entity to be random.
- This isn't a new method for drawing winning Kentucky Lottery numbers – in fact, the Lottery has been using an RNG for 17 years without incident for eight different games, and for 8 years RNG has been set up as a backup method for drawing all games which used balls and machines.
- Of the 46 lotteries in the US, 31 use some sort of an RNG – it's an industry standard.
- What has changed is that in April the decision was made to move our daily games (Pick 3, Pick 4 and KY Cash Ball) which had used balls and machines to RNG.
- The motivator was the COVID-19 pandemic – it took upwards of 90 minutes to perform our evening drawings in a small environment, employees were nervous, we received a health department complaint which was investigated, and the decision was made to switch these games to RNG.
- There are extensive physical security controls around the RNG:
  - o They are in a small room covered by 16 security cameras recording 24/7.
  - o They are housed in secure cases that require visible destruction if an attempt is made to access them and bypass security features.
  - o They are secured after each drawing by a numbered seal and two locks.
  - o The only thing connected to machine is power cable – there is no WiFi capability and no external cable connecting to anything so that the system cannot be accessed.
  - o Two people must be present to login and access the RNG.
  - o A mechanism called a checksum is in place to detect any alteration of data, tracking so much as changing a font on a letter.
- Players were informed of this change via 150,000 emails, information on our website and available via customer service, and a news release distributed to statewide media.
- We have tracked player response to the change via our social media channels and customer service. The response – emails from two players, a single social media message, and four players have reached out by phone.
- The switch of these three games to RNG has not resulted in a decline in sales – in fact, since the change, the Kentucky Lottery has realized its highest sales levels in history.
- We encourage anyone to come see the process if they have a question or concern.