Remotely Piloted Aircraft Systems (RPAS) NOTIFICATION

TC Energy is committed to creating an extraordinary legacy of safety and respect for all people, communities and the environment. As part of this commitment we are keeping our neighbours informed on maintenance activities happening near their community.
Please note the following information:

What: As a neighbour of TC Energy's pipeline corridor, you have likely observed our aircraft conducting routine patrols along the corridor. We conduct these patrols to monitor our system for conditions or activities which may have the potential to impact the reliable operations of our system, such as erosion, excess vegetation or unmonitored excavations in proximity to our pipe.

TC Energy is always evaluating new technologies to improve our monitoring processes to ensure reliable, safe operation. As part of this ongoing innovation, TC Energy will be conducting limited flights of Remotely Piloted Aircraft Systems (RPAS) on portions of our system. Our regular patrols will still be conducted to ensure continued monitoring of the corridor.

When, and Expected Duration: TC Energy plans to conduct limited RPAS flights from October 13 – November 10, 2020 to observe areas on our system that will aid in ongoing maintenance and operation activities.

Where: RPAS flights will occur along our pipeline right-of-way in Southern Ontario.

Potential Impact: There will be very limited impact from these drone flights. the RPAS areTransport Canada approved DJI Matrice 210 and Phantom 4 Pro RPAS platforms designed and permitted for operation around population. In accordance with regulations, the RPAS flights will be piloted within visual line of sight of qualified, licensed pilots and operated by **GeoVerra.**

If you have any questions about this program or would like more information, please contact ***public_awareness@tcenergy.com.***

TC Energy

Remotely Piloted Aircraft Systems (RPAS) NOTIFICATION

The DJI Matrice 210 and Phantom 4 Pro RPAS platforms were selected to provide safe, reliable and flexible flight operations in environments where vertical take-off and lift are required. Both airframes are Transport Canada approved for flights within controlled airspace and flights near (within 5 meters) of people. Both aircraft can be flown manually or operated in autonomous mode via a dedicated and secure command control link between application and aircraft. At any point in the mission manual controls are easily regained as needed.

Specifications

- Dimensions: 887 x 880 x 378 mm
- Diagonal Wheelbase: 643 mm
- Batteries: 2 @ 7660 mAh – 22.8V
- Weight: 4.53 kg
- Max Speed: 61.2 k.p.h.
- Max Service Ceiling: 3000 m
- Max Flight Time: 24 min
- Operating Temperature: -20° C to 45° C
- Maximum Wind Resistance: 12 m/s

Remote Piloting

- Command and control communication
- System performance checks / calibration
- Mission planning software
- On-site piloting capabilities

Specifications

- Diagonal Wheelbase: 350 mm
- Number of batteries: 1 @ 5870 mAh – 15.2 V
- Weight: 1388 g
- Max Speed: 58 k.p.h.
- Max Service Ceiling: 6000 m
- Max Flight Time: 24 min
- Operating Temperature: 0° C to 40° C
- Maximum Wind Resistance: 10 m/s

Remote Piloting

- Command and control communication
- System performance checks / calibration
- Mission planning software
- On-site piloting capabilities