FACT SHEET
YVR's Ground Run-Up Enclosure (GRE)

- Vancouver International Airport's Ground Run-up Enclosure (GRE) is the first airport facility of its kind in Canada
- The GRE will be a three-sided, open-roofed enclosure designed to reduce aircraft noise from engine run-ups by absorbing and channeling sound up rather than out
- Residents south of YVR will experience a 50 per cent reduction in engine run-up noise as the facility is expected to reduce noise by approximately 11 decibels.
- The GRE will be 67 metres wide by 80 metres deep and roughly rectangular in shape
- The enclosure's north and west walls will stand 11 metres high and the south wall will be 15 metres high to provide additional noise reduction for the closest neighbouring communities
- The walls will be constructed of sound-absorbing panels supported by an external frame, will slope downward toward the front of the GRE and be perforated by several louvered vents on each side for aerodynamic purposes
- Situated adjacent to the South Terminal, the location was selected for proximity to south side airline operations; control tower sightlines; prevalent winds; and acoustic, economic and environmental benefits
- The GRE will provide a glycol collection system for use during winter de-icing operations at Airport South
- More than 3,800 cubic meters of concrete will be used to build the enclosure and adjoining apron
- The primary users of the GRE will be Airport South maintenance operators testing propeller aircraft such as Dash-8, Beech 1900, Saab 340, Otter and Metroliners
- The majority of YVR's engine run-up noise complaints are related to propeller aircraft, which constitute 65 per cent of runs-ups at YVR
- The facility will be primarily used during night-time hours from 10 PM to 6 AM
- The Airport Authority is investing $12 million into the construction of the GRE as part of its Noise Management Plan

-YVR-

For further information:
YVR Media Relations
604.880.9815 ; media_relations@yvr.ca
www.yvr.ca Twitter: @yvrairport

Also available: High-resolution renderings and b-roll; email us for files