Health Impacts Associated with Billy Bishop Toronto City Airport Expansion

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Location and Context

- Central Waterfront includes a mix of uses
- Official Plan calls for revitalization and improving connection between Waterfront and City
- Local neighbourhoods include vulnerable populations

Photo by Andrea Zaratin from the Torontoist Flickr Pool.
Factors Considered in the HIA

**Environmental**
- Air quality
- Noise
- Traffic
- Climate change
- Wildlife
- Odour
- Light pollution
- Fuel transport
- Water quality

**Economic**
- Income
- Employment
- Tourism
- Healthcare costs
- Property values
- Transportation Costs

**Social and Cultural**
- Feeling safe in the community
- Recreation
- Cultural activities
- Community services
- Community character
- Community plan (waterfront revitalization)
Existing airport operations add to background air pollution levels that are already above health benchmarks and contribute to the overall burden of cancer and respiratory and cardiovascular illness.
Existing airport operations add to current noise levels which already exceed health-based guidelines for annoyance, sleep disturbance, and children's impaired learning performance.
Traffic

• Traffic conditions
  – increase the risk of injuries or fatalities
  – Discourage walking and cycling
  – hamper access to recreational, health, and community services in the area
  – are expected to worsen with expansion

Photo Credit: Citynews.ca
## Additional Findings

<table>
<thead>
<tr>
<th>Potential Health Risk</th>
<th>Health Impact of BBTCA relative to a baseline of &quot;no airport&quot;</th>
<th>Health Impact of permitting Jets, relative to current conditions</th>
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</thead>
<tbody>
<tr>
<td><strong>Other Environmental</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Climate change</td>
<td>Negative</td>
<td>Negative</td>
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<tr>
<td>Water quality</td>
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<td>Negative</td>
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<tr>
<td><strong>Economic</strong></td>
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<tr>
<td>Income</td>
<td>Positive</td>
<td>Positive</td>
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<tr>
<td>Employment</td>
<td>Positive</td>
<td>Positive</td>
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<td>Tourism</td>
<td>Negative and positive</td>
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<tr>
<td>Healthcare costs</td>
<td>Negative</td>
<td>Negative and positive</td>
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<tr>
<td>Property values</td>
<td>Uncertain</td>
<td>Uncertain</td>
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<tr>
<td>Infrastructure</td>
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<tr>
<td><strong>Social and Cultural</strong></td>
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<tr>
<td>Feeling safe in the community</td>
<td>Negative</td>
<td>Negative</td>
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<tr>
<td>Recreation</td>
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<td>Cultural activities</td>
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<td>Community services</td>
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<tr>
<td>Community Character</td>
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<td>Negative</td>
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</table>
• **Key Recommendations**

  – Implement mitigation measures to reduce the current impacts on the local community

  – Ensure that any change to operations and associated transportation infrastructure reduces existing health impacts

  – Plan for the most health-supporting use of the airport lands over the long-term
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