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Clean Air Hamilton

- Initiated as implementation committee to act on recommendations in 1997 HAQI Reports.
- Community Initiative directed at:
 - Researching Air Quality & Health Issues
 - Examining Policies that Affect Air Quality
 - Encouraging Emission Reductions Strategies
 - Educating the Public
- Stakeholders include:
 - MOE, Environment Canada, Dofasco, Stelco, Green Venture, McMaster, Citizens, City Staff

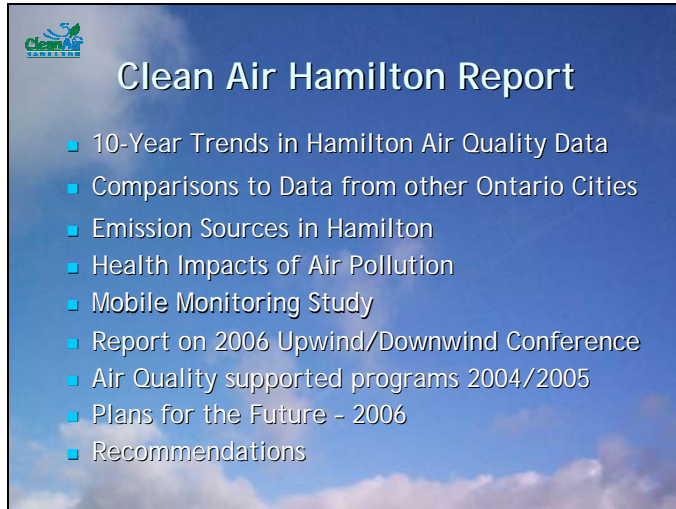
Slide 3



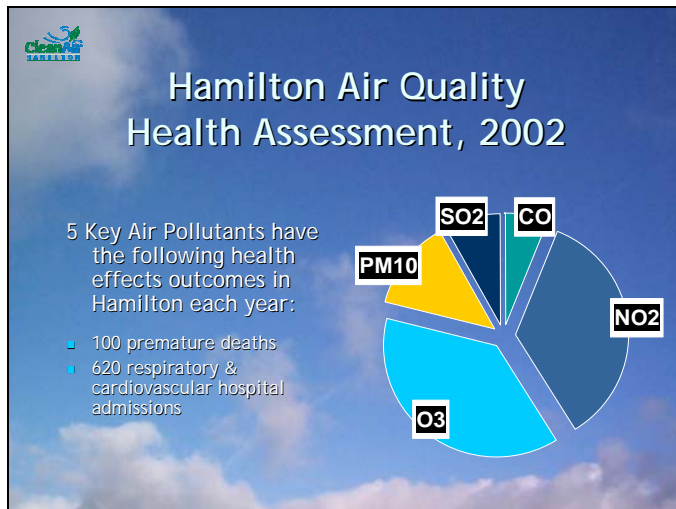
Clean Air Hamilton

- City provides financial support
- Leverages volunteer support from experts
- Leverages funding from various sources
- Programs include:
 - Upwind/Downwind Conference
 - Hamilton Air Monitoring Network
 - Mobile Monitoring Study
 - Tree Planting Initiatives
 - Commuter Challenge
 - Residential Energy Efficiency Audits

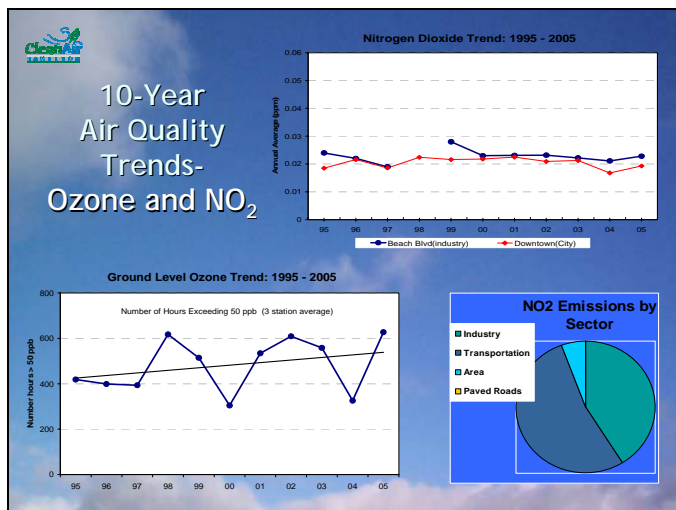
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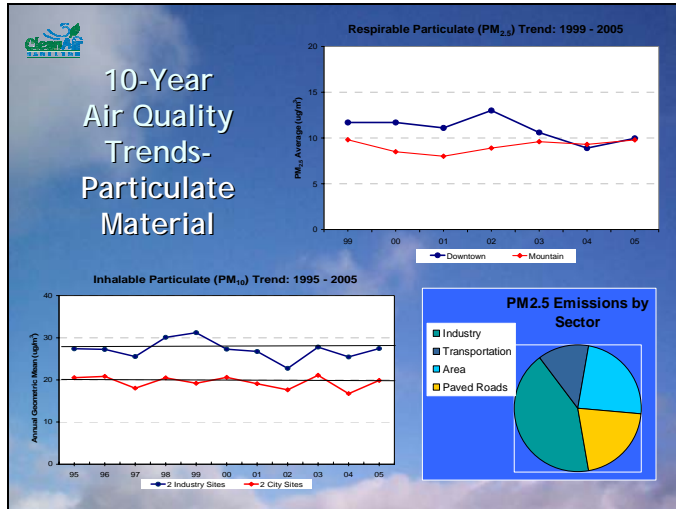
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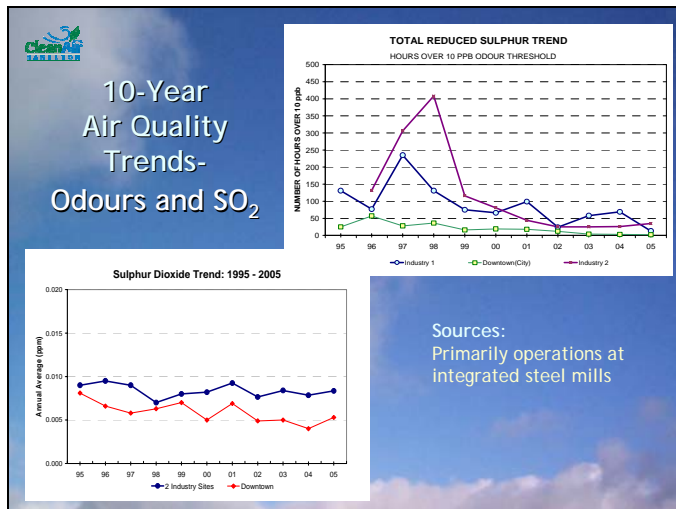
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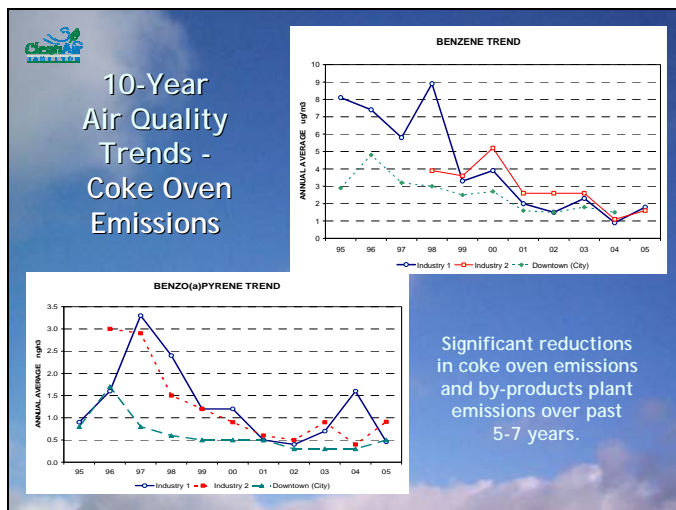
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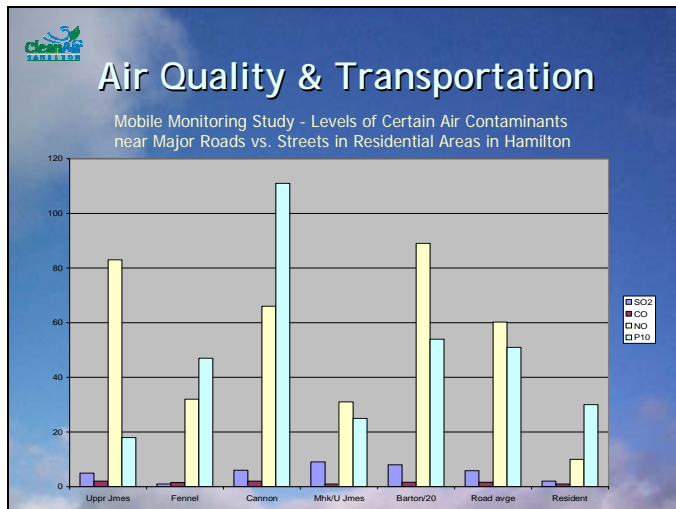


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Air Quality & Transportation

- Health impacts associated with living near major traffic corridors.
- Mobile emissions are a leading source of nitrogen oxides (NO_x), a key pollutant which accounts for approximately one-third of all deleterious health impacts in humans.
- NO_x is also a significant precursor to Ground Level Ozone (O₃) which too is responsible for over one-third of the adverse health outcomes in Hamiltonians.
- Transportation sources are a major source of inhalable particulate (PM₁₀) through exhaust emissions and the re-suspension of road dust.
- 2005 mobile monitoring study in Hamilton showed the highest pollutant exposures (on average) occur due to transportation emissions.

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Further Actions Needed

- Health Impacts & Air Quality Trends suggest need for continued reductions in NO₂, PM & Ozone.
 - PM, NO₂, SO₂ and odours are locally generated, i.e., locally manageable.
- Needs:
 - Compact, sustainable urban developments
 - Increased investment in public transit
 - Increased street sweeping along heavily used traffic corridors
 - Education of Hamiltonians re idling, especially around schools
 - Advocacy for improved energy efficiencies: vehicles, homes, etc.
 - Advocacy for alternative fuels & new energy technologies for on-road & off-road equipment, power generation, home heating, etc.
 - Continued reductions from industry sector, especially track out
 - Emissions reductions from US coal-fired power plants to reduce local ground-level ozone.

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