Air Flow in High Rise Apartments
Intended Air flow in Apartments—critical path for proper ventilation
Poor Air Flow contributes to:

<table>
<thead>
<tr>
<th>Odors and Poor indoor Air Quality</th>
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<tbody>
<tr>
<td>High Humidity</td>
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<tr>
<td>Growth of Bacteria and Mold</td>
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<tr>
<td>Deterioration of Building Materials</td>
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<tr>
<td>Costly Repairs</td>
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<tr>
<td>Lack of Compliance with Code —does not meet required Air Exchange rate</td>
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<tr>
<td>Environment that attracts bugs</td>
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<td>$ out the window—tenants opening windows in winter for ventilation</td>
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How air flow is blocked?

Rugs and Door Socks under apartment Entry Doors

Covered Bathroom Vents
How air flow is blocked?

Clogged bathroom vents
Dust and debris found in Constant Airflow Regulators (CARs)
Lack of proper air flow contributes to the following problems:

- Mold on ceilings
- Mold on walls
Mold in basins

Mold in corners
Blistering of Plaster / Pealing of Paint
Warped and Delaminated Doors
Corrosion of metals

Buckling of floors
Creates an inviting environment for bugs.
What can we do to help?

- Thoughts?
- Suggestions?
Ways to improve air flow:

- Educate Tenants and Building Operators on perils of poor air circulation
- Prohibit door socks and taping over bathroom vents
- Clean CAR devices at least once a year (have part of annual maintenance program)
- Other ideas?
Ways to improve air flow:

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Ways to improve air flow—
Other ideas?
Maintenance of CARS
(1900 3rd Street)

Before cleaning

After cleaning
Thank You!