

June 14, 2016

**AirFlow™ Panels Pilot Project at HJAIA Tech Campus**

**Objective:**

The project will measure and evaluate the energy savings, and indoor environmental quality effects of the AirFlow™ Panel technology over the course of a 12-month trial period.

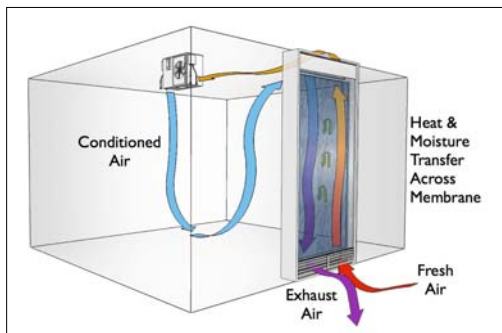


Figure 1: AirFlow™ Panel diagram



Figure 2: AirFlow™ Panel

**Outcomes:**

Pod D annual Air Conditioning Electricity Consumption (from simulations):

Current Configuration	Proposed (with AirFlow™ Panels)	Savings:
<b>25,660 KWh</b>	<b>18,258 KWh</b>	<b>6,000-8,000 KWh</b> cooling - 23% heating - 7% fans - 69%

The benefits to the owner of this project include:

- i) Avoided energy purchase (the cost of which may partially offset the cost of the project).
- ii) Avoided carbon emissions associated with electrical generation.
- iii) Improved indoor environment in Pod D due to the higher fresh air and anticipated lower indoor CO2 levels.
- iv) Improved occupant health due to the reduction of condensate (liquid) produced in the ventilation system and the associated reduction in the risk of mold, sick building syndrome, and other microbial-based illnesses.
- v) Demonstrated leadership by the Atlanta Hartsfield-Jackson Airport in testing and adopting innovation, low-energy and higher health technologies.