

# Solar Hot Air: Thermal Power Purchase Agreements (PPA)



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## Solar Hot Air: Thermal PPA

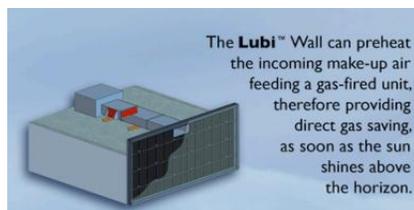


### Product Description

Revolution & PHI is thrilled to provide commercial & government customers a new product to reduce the need for fossil fuels. Revolution has filed for a provisional patent for the financial tool that provides a customer this exciting technology at \$0 down under a 10-20 year power purchase agreement (PPA) at a rate below their current fuel pricing.

### How it works:

1. Solar radiation passes through the highly transmissive polycarbonate and reaches the absorber, which may happen to be the wall or the roof of the building.
2. Solar radiation is transformed into heat by contact through the panel and in front of the absorber. This heat is then trapped as hot air within the plenum between the panels and the absorber.
3. On sunny days, some of the plenum heat is transferred by conduction through the wall, thereby contributing to space heating of the building.
4. The solar-heated air is mechanically drawn into the ventilation system of the building or process.
5. The influx of outside air through the Lubi™ panel perforations cools the panels down continuously, preventing them from ever warming up. In this way, heat losses to the environment are reduced to an absolute minimum. **Therefore, the only place where the solar heat can go is into the building or the process to be heated.**
6. Revolution Energy installs a Btu meter and only bills the client for the energy produced



### Applications

Production facilities  
Warehouses & hangers  
Workshops  
Gymnasiums  
Commercial buildings  
Hospitals

