



SolarBee®  
**Outperforms**  
**Brush Aerators**



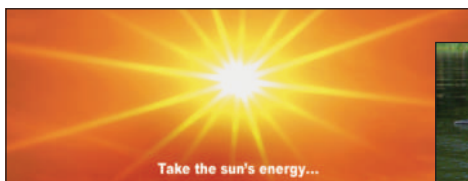
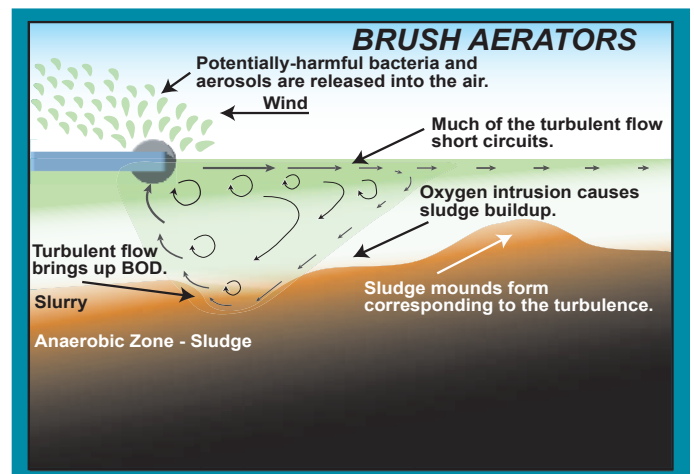
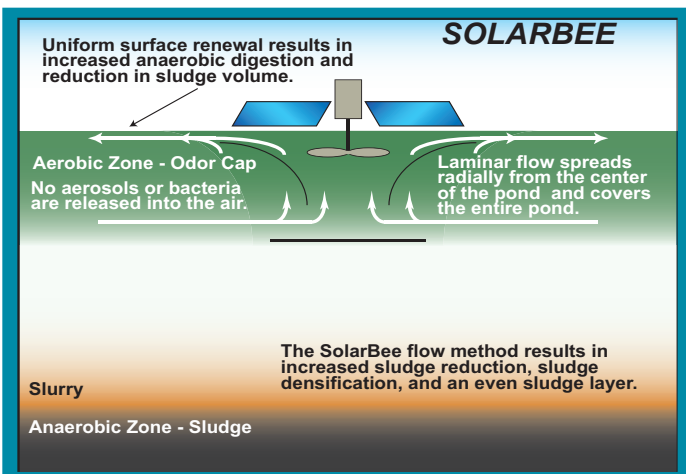
### SOLARBEE BENEFITS:

1. Maintains a high dissolved oxygen "odor cap" within the top 2 feet of the pond 24 hours/day.
2. Gentle, near-laminar radial flow from the center of the pond reaches to all ends of the pond. No turbulence means no BOD is brought up to deplete the dissolved oxygen and destroy the odor cap.
3. Uniform surface renewal improves anaerobic digestion to reduce sludge volume, increase sludge densification.
4. No aerosols or bacteria are released into the air; there is no struvite buildup caused by aerosols.
5. Four models, coverage up to 5 acres per machine, stainless steel construction, minimal energy and maintenance costs, 25 year life, SCADA outputs.

### COMPARED TO

### BRUSH AERATORS:

1. Turbulent flow brings up BOD that can destroy the odor cap and cause odor events.
2. The turbulent flow, all coming from one end of the pond, does not give uniform surface renewal at the other end. (Turbulent flow is like trying to push a string).
3. Sludge mounding is common. Sludge digestion is inhibited by oxygen intrusion and methane buildup (due to lack of constant surface renewal).
4. Aerosols and potentially-harmful bacteria are released into the air and can be carried by wind into the surrounding neighborhoods.
5. Higher energy and maintenance costs.



...and solve water quality problems!!!

