Industrial Solar Steam

Maximizing its large potential

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Significance of solar steam

- 21% of GHG emissions from industry
- 2/3 of industrial energy is process heat
- Modern boiler efficiency 90%
- Potential deep GHG reduction through solar thermal steam generation

How solar steam works

Concentrated solar thermal energy

Video:
Sunvapor’s collector at Horizon Nut Company
Benefits (per 5 acres)

- Fresno County
- Capacity: 11 tons per hour @ 150 psig
- Up to 1,900 tonnes per year CO₂ avoided
- Up to $290,000 nat gas savings per year
- Attractive payback or steam price with CSI or FPIP
Maximizing impact

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Steam generator with storage

Solar steam hub
Thanks for support from

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