



Innovations In Solar Energy

a presentation for Green Cities Florida

SUNWORKSSOLAR

Our knowledge. Your power.

Two Types of Technology used to harness Solar Energy

1. Electric
2. Thermal

Two Types of Technology used to harness Solar Energy

1. PhotoVoltaic referred to as PV

Uses Sunlight to generate Electricity

2. Solar Thermal

Uses the Sun's radiation to heat water or
other fluids





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ecomagination
a GE commitment

Daily

Weekly

Monthly

Benefits

Electricity Consumption - ● Solar Generation - ●



Back

Water

Energy

Details

Home builder NEEDS

1. Improve turnover (30-50% shorter time on market)
2. Hold the price value ratio (profit margin)

BONUS: Great marketing draw and lots of
FREE publicity

Gainesville Mini-Storage NEEDS

1. Protect the environment for their children and grandchildren (2 Brothers)
2. Increase profits by making their ROOF provide an income

BONUS: Get a new roof as a package deal



273.21 kW total

CoolPly PVC Heat Weld Installation



Thermal Technology used to harness Solar Energy

1. Hot Water for domestic or commercial use
2. Space Heating
3. Steam to generate electricity (CSP)
4. Swimming Pools with LONG swim seasons



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Coast Guard NEEDS

1. Meet mandates to reduce fossil fuels 30%
(82% of hot water load from Solar)
2. Clean the aircraft (25% less water, 35% less soap, 25% less manpower)

BONUS: Able to flush engines w/hot water





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Progress Energy NEEDS

1. Set example on new HQ for going Green (85% of hot water load from Solar)
2. Add solar to project without exceeding budget

BONUS: Turnkey – On time w/out sub-contract markup



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Daytona Bch Kennel Club

1. Add points to reach LEED GOLD (1st in Volusia County)
2. Add solar to project without exceeding budget (innovative design reduced THERMAL cost by almost 20% and comparable PV by over 70%).

Another “NO BRAINER”

Solar Energy

It's REAL

It's Affordable

If they can do it in Germany, why
NOT Florida?

Solar Energy

It's Available NOW

It's FREE Energy

It's CLEAN Energy

It's Renewable

Solar Energy

IT WORKS!!!



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