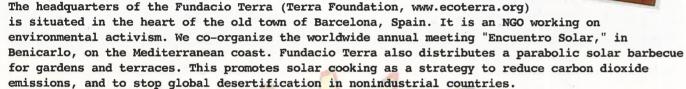
# TOP SECRET

**GUERRILLA SOLAR:** The unauthorized placement of renewable energy on a utility grid.

PROFILE: 0021

DATE: June 2002 LOCATION: Spain

INSTALLER NAME: T-Sol/ACYCSA OWNER NAME: Fundacio Terra INTERTIED UTILITY: Fecsa-Endesa SYSTEM SIZE: 2,200 watts of PV PERCENT OF ANNUAL LOAD: 50% TIME IN SERVICE: 3-1/2 years



The office of the foundation is situated in the top of an old building in Barcelona, where it is supposed that Picasso painted the famous picture "Les Demoiselles d'Avignon." The building was retrofitted for energy efficiency, using recycled materials. It was one of the first ecological building renovations done in Spain, and it incorporates a solar-electric array of 2.2 KW peak (KWp) on the terrace. This is connected to the main utility supply, to offset the energy use of the office.

The PV array was inauqurated by the mayor of Barcelona on January 25, 1999. This was just when the law on binding purchase of solar energy came into force in Spain, with a price of 35 cents per KWH. But when Fundacio Terra tried to legalize our installation, it was impossible because the legislation held private energy suppliers to the same administrative conditions as a nuclear power station. There are strict technical rules, and fiscal treatment is the same as for large energy producing companies. Due to this inequality, the foundation is contesting this law in the courts of Barcelona, and is waiting for a resolution.

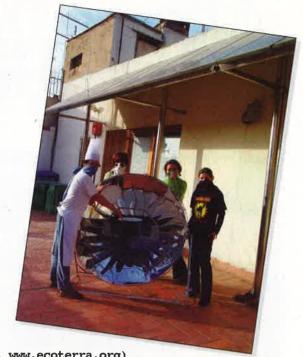
As a measure of pressure, Fundacio Terra is still feeding the solar energy to the local utility grid. Since January 25, 1999, we have been producing and giving all the solar-electric production to the electricity supply of the city. On May 5, 2002, our array surpassed 7.5 MWH of production, with an overall savings of 2.1 metric tonnes of carbon dioxide.

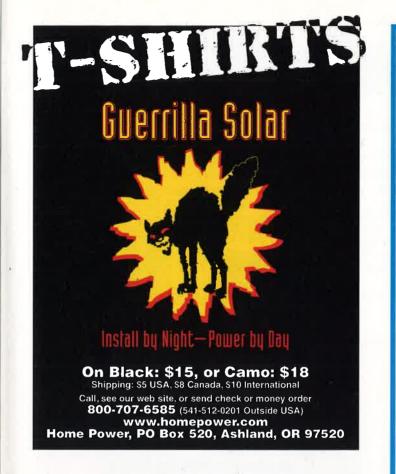
At this moment, only a few solar-electric producers with less than 5 KWp are connected to the line who have accepted the burdensome conditions of the law. Fundacio Terra continues with its solitary battle against the administration so that the production of solar energy will be as easy as making coffee in a coffee machine. The solar power plant of Fundacio Terra will continue to be plugged into the sun as a solar querrilla fighter.

### Guerrilla Solar Defined

Energy is freely and democratically provided by Nature. This century's Guerrilla systems do not endanger utility line workers (see HP71, interconnection, pushing common citizens to solar civil disobedience. guerrilla action.

monopolization of energy by utilities both public and private threatens page 58). They share clean, renewable energy with others on the the health of our environment. Solar guerrillas believe that clean utility grid, and reduce the need for polluting generation plants. renewable energy should be welcomed by utilities. But utilities and When interconnection for small-scale renewables becomes fair, governments continue to put up unreasonable barriers to simple, and easily accessible to all, there will be no more need for







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hydrogen

wind

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# HOME POWER

## THE HANDS-ON JOURNAL OF HOME-MADE POWER

Issue #90

August / September 2002



# **Features**

10 Doing Their Part

After ten years off the grid, Humboldt State University's Campus Center for Appropriate Technology switched to 2.4 KW of utilityintertied PV. Now they're a model for decentralized generation—pitching their green energy into the mix.



# 50 Wind Genny Comparison

Wind guru Mick Sagrillo has compiled his fourth "Apples & Oranges" article to help you choose a home-sized wind generator.



# 24 Efficient Computing & Wireless Internet

John Bertrand shares his homework on finding an energy efficient laptop that doesn't work his RE system too hard. His off-grid, wireless Internet and LAN system is pretty slick too check it out!



# 32 Small & Mobile PV System

A one-module PV system was just the ticket for Phillip Angell to get into renewable energy. He put it on a trailer, and now he's got power to go—anywhere the job takes him.

# More Features

46 PVs vs. SUVs

Is your money going down the road, or in your pocket? Look at this cost comparison and ask yourself, "Is PV too expensive?"

72 Shakespearean Solar?

Brian Underwood reads the bard while tending his PV "volt garden." He learned a lot about RE by tinkering with his small systems.

# Solar Thermal

86 Passive Solar Basics

Plug in these passive solar principles for a beautiful, energy efficient home. Ken Olson and Joe Schwartz tell you how to design a house that will keep you warm, save you money, and impress your neighbors!

# Homebrew

40 LED Flashlight Conversion

Turn your Mini Maglite into a mighty flashlight. This homebrew makes it mighty stout, bright, and radically extends battery life.

98 Build Your Own Antenna

Lock onto radio signals from a remote site by building your own antenna—Bill Layman tells us how. Cover: Some of the thirteen home-scale wind generators compared in "Apples & Oranges" on page 50.

# Guerrilla Solar

82 Guerrilla 0021

This guerrilla group is out of the closet in Spain and pushing for change.

# Things that Work!

106 Glowing Reviews

These luminescent strips don't use electricity to light up your life.

116 A Meter That Measures Up

Joe Schwartz deems this watt-hour meter "for real" in measuring electrical loads.

# **Book Review**

123 Shelter Sketchbook

Richard Engel reviews an inspirational design book.

# **GoPower**

**112** Juicin' Up Your EV

Part II on EV charging.

120 Is That Used EV a Bargain?

Part II on buying a used EV.

# Columns

124 Word Power

Electrons defined—lan Woofenden helps us get a grasp on those bouncing, invisible particles.

# More Columns

126 Not In My (Global) Backyard

Edison International wants to build a dirty, coal-fired power plant in Thailand's ecologically sensitive Prachuap province.

130 Independent Power Providers

Don Loweburg looks back at buydown programs and into the future of inverters.

134 Code Corner

More grid connection details.

138 Home and Heart

Kathleen is quite the ham—radio operator, that is.

144 The Wizard

Magnetic energy's potential.

154 Ozonal Notes

Richard thinks he's George Jetson. And by the way, check out HP's new Web site!

# Regulars

From Us to You

80 HP's Subscription Form

81 Home Power's Biz Page

142 Happenings—RE Events

146 Letters to Home Power

156 Q&A

158 MicroAds

160 Index to Advertisers

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### Access Data

Home Power PO Box 520 Ashland, OR 97520 USA

Subscriptions and Back Issues: 800-707-6585 VISA, MC Discover, & American Express 541-512-0201 Outside USA

Advertising:

Phone: 800-707-6585 or 541-512-0201 Outside USA Fax: 541-512-0343

E-mail: hp@homepower.com Web: www.homepower.com

#### Paper and Ink Data

Cover paper is Aero Gloss, a 100#, 10% recycled (postconsumer-waste), elemental chlorine-free paper, manufactured by Sappi Fine Paper.

Interior paper is Ultra LWC Glossy, a 45#, 100% postconsumer-waste, totally chlorine-free paper, manufactured by Leipa, an environmentally responsible mill based in Schwedt, Germany.

Printed using low VOC vegetable-based inks.

#### Printed by

St. Croix Press, Inc., New Richmond, WI

## Legal

Home Power (ISSN 1050-2416) is published bi-monthly for \$22.50 per year at PO Box 520, Ashland, OR 97520. International surface subscription for US\$30. Periodicals postage paid at Ashland, OR, and at additional mailing offices. POSTMASTER send address corrections to Home Power, PO Box 520. Ashland, OR 97520.

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