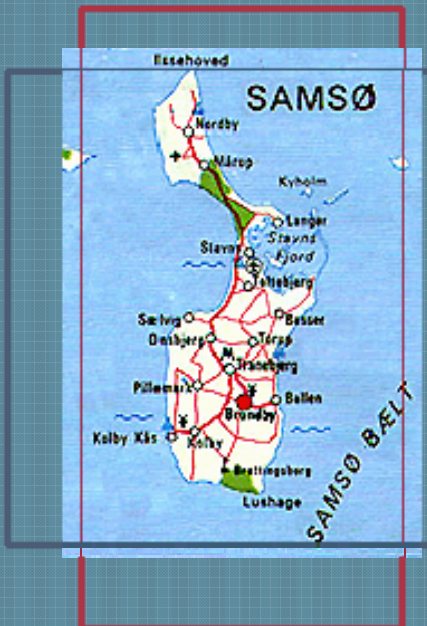


# Learning from other places

## *Samsø, Denmark*

Pop: 4,300 Size: 45 sq miles

- An island with no conventional energy resources of its own
- 12 Onshore/10 Offshore Turbines
- This island has become carbon neutral
- Since 1998, Samsø began converting its energy into renewable energy
- 100% of its electricity comes from wind power – 106 MW per year
- 75% of its heat comes from solar power and biomass energy
- Not a government initiative, but owned by 900 citizens



# Learning from other places

## *Borough of Woking, Surrey, United Kingdom*



**BUILDING A SUSTAINABLE COMMUNITY**



Pop: 90,700    Size: 25 sq miles

- Since 1991 Woking Borough Council has implemented a series of sustainable energy projects
- This has made the borough a world leader in providing energy without relying on the national power supply
- Has the largest domestic integrated photovoltaic/CHP installations in the UK
- First private/public joint venture Energy Services Company (ESCO)

# Learning from other places

## *Woking, Surrey, United Kingdom*

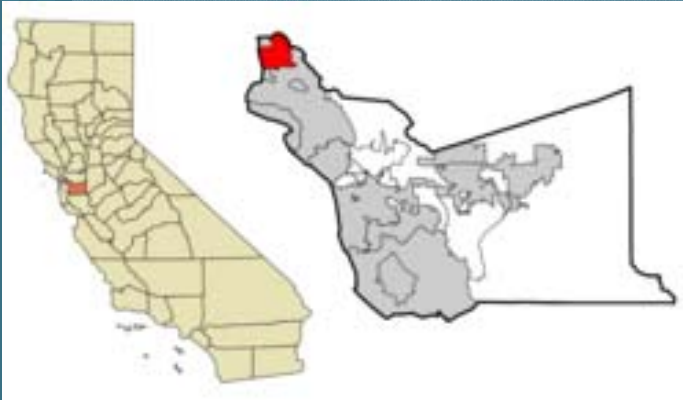


- Woking's fuel cell generator is the steady supply of pure water as a by product of hydrogen and oxygen combining to produce electricity. The Woking plant alone produces a million litres (1/4 million gallons) a year of the clean drinking water
- Reduced their carbon emission quota by 77.4%
- Generated a savings of nearly \$10 million for the Council and huge savings for residents and businesses
- For their pioneering energy services work, the Council gained the Queen's Award for Enterprise: Sustainable Development 2001

# Learning from other places

## *City of Berkeley, California, USA*

Pop: 105,000    Size: 17.7 sq milies



- First city in the U.S. to allow property owners to pay for solar system installation and energy efficiency improvements as a long-term assessment on their individual property tax bill
- Their plan eliminates the two major financial hurdles to solar renewable systems—the high upfront cost and the possibility that those costs will not be recovered when the property is sold
- The City's commitment will foster educated inspectors, a concentration of installers, knowledge in the community, which in turn will drive down costs as quantity of installations mount
- In the US, municipal financings of renewable-energy technologies have been growing over the past seven years