



Nevendon Electric Forecourt®

Essex Climate Action Commission

March 7th 2023



Solar Power: Maximising the Benefit to Local Communities

Technologies

- Solar PV
- Solar Thermal
- Wind
- Tidal / Marine
- Hydro
- Geothermal
- Heat pump
- Energy Storage
- Heat networks
- Biomass



SOLAR



HYDRO



WIND



TIDAL



GEOTHERMAL



BIOMASS

Solar Power: Maximising the Benefit to Local Communities

Solar Ground Mount

- Is there a better use for the land?
- Can more value be derived from the land?
- Is the land suitable for solar?
- What is the scale?
- Who benefits?
- What are the benefits?



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Agrivoltaics

Solar + Agriculture
Performs a function combined
with Solar Energy Generation



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Solar Sound Barriers

Combine functionality of a
Sound Barrier with that of Solar
Energy Generation



Solar Power: Maximising the Benefit to Local Communities

Community Benefit

- Employment
- Improved air quality, bio-diversity, local environment
- Greater awareness of the broader climate change dialogue and action

Community Ownership

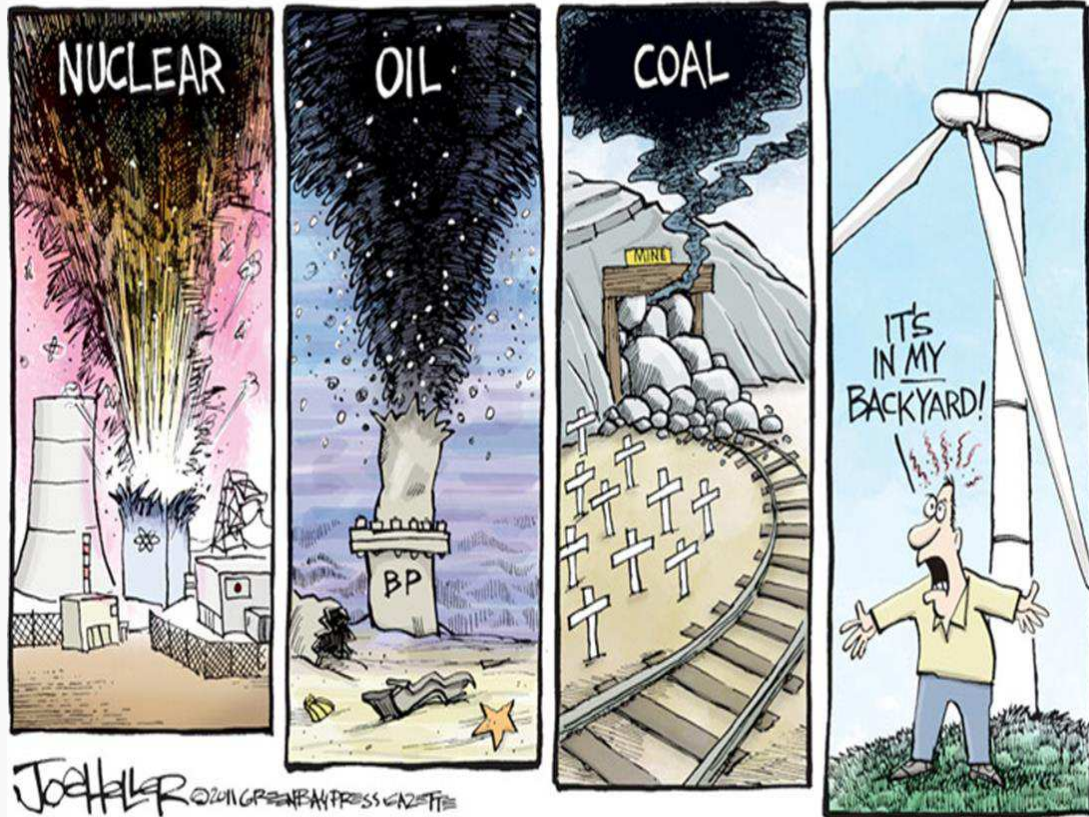
- Financial investment and return benefitting local people and communities
- Engagement in broader climate change dialogue and action
- Creates a catalyst for “buy-in” to additional local initiatives

Devolution

- Creates local sense of decision making and ownership
- Devolved planning could mandate solar on all new buildings
- Whole system approach – zero carbon transport, Smart Local Energy Systems

Solar Power: Maximising the Benefit to Local Communities

ARGUMENTS AGAINST-



ARGUMENTS FOR SOLAR-

- ✓ Clean
- ✓ Quiet
- ✓ Reliable
- ✓ Functional
- ✓ Local
- ✓ Economic



THANK YOU

Let's #Deliver #NetZero Together

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