

South Norfolk Solar & BESS Projects

Impact of East Pye Solar

Scale of Local Schemes

- East Pye Solar: 500MW – 2,700 acres
- RWE Elmya Gissing 900 MW (Dodds Wood BESS 450/900MW) – 4,500 acres
- Noventum Long Stratton: 460MW (+BESS) – 2,000 acres (Saxlingham?)
- Enso Green Long Stratton: 400MW (+BESS) – 2,000 acres (Tyrrells Wood area)
- Field BESS 400MW; Wacton Road BESS 240MW: EPS 500MW Bess; West of LS BESS 228MW
- Station Road Tivetshall solar
- Regener8 Dickelburgh 49.9MW
- Bloys Grove Swainsthorpe + BESS 49.9MW (in construction)
- New North Anglia Connection Node A substation – location unknown (between LS and Gissing)
- Result: Rapid industrialisation of rural landscape
- Massive negative cumulative impact

Government Targets vs. Local Schemes

- Excessive number of schemes locally due to proposed Norwich to Tilbury pylons.
- Totals: Around 13,000 acres between Swainsthorpe and Gissing, 2.6GW of BESS (200MW target for East of England) 2.35 GW of Solar (3.3GW for whole East of England including Distribution, which should be 1.6GW) – massive speculation and oversupply
- If you add 1.25GW in South-West and West Norfolk, Norfolk alone is beyond govt targets for whole East of England solar with just its Transmission projects.

NSIP Utility Scale Solar + BESS

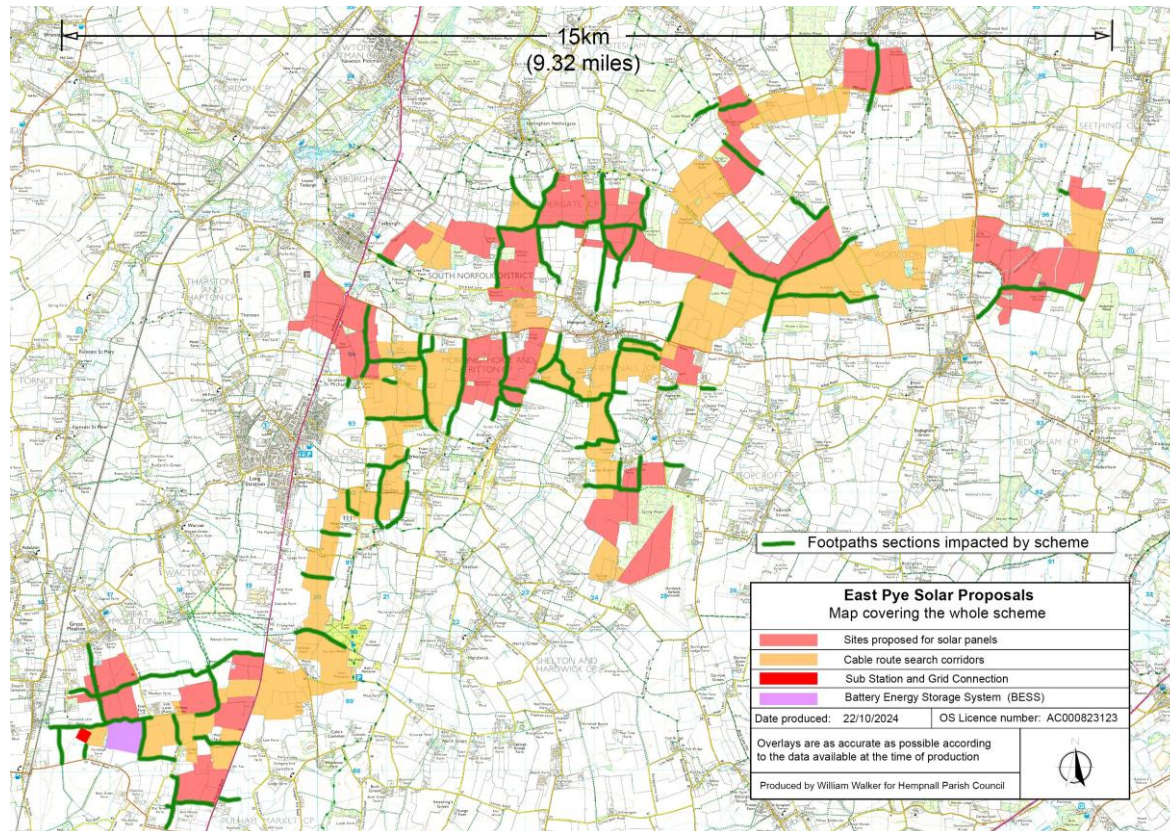
- Developers not prioritising brownfield or industrial land over farmland
- Italy has banned solar on farmland, France it must be agrivoltaics
- UK lagging behind and becoming a target for international speculation due to high electricity strike price and prime land acquisition opportunities
- No regulation for BESS or any public body responsible for their safety
- Six BESS applications immediately around LS



BESS Fire Risk

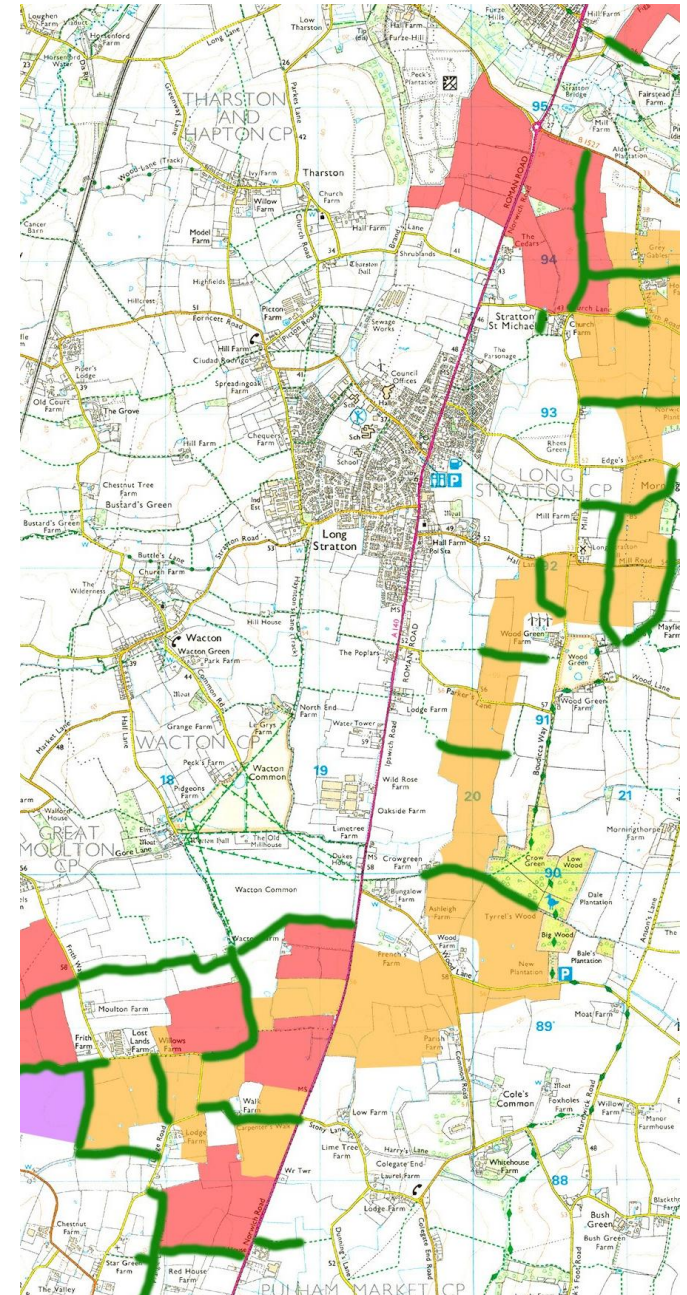
- Risk of thermal runaway, unable to be extinguished
- Millions of litres of water are required to dampen down the ground around them to stop fire spreading.
- They result in widespread contamination of water soil and crops in the whole surrounding area.
- If one catches fire, populations within 6km have to be evacuated under 'Immediate Threat to Life Orders'. The recent BESS fire in Moss Landing California took 8 million gallons of water to cool the surrounding area, local residents were evacuated for 13 days and the land, water and crops in the whole area has been contaminated with toxins (hydrogen fluoride and cyanide).
- It is guaranteed that at least one failure will occur during a project's 40-year lifespan.
- Two Oxford Professors (Springer Nature) have called for a pause on Li BESS rollout until there is proper safety regulation. There is also a gap in responsibility in terms of a public body with overall responsibility for public safety in relation to BESS.
- National Security risk from hacking and Chinese installed 'kill switches' in inverters.
- There are now SIX BESS proposals in the Long Stratton area alone.

East Pye Solar



Impact on Long Stratton

- The BESS site at Gt Moulton means that the whole Southern side of LS is within the evacuation zone. Including the Pavilion, Doctor's surgery, Elderly residents' home and Long Stratton High School.
- Drivers travelling along the A140 will be faced with a corridor of 4.5 metre high solar panels. Firstly at Tivetshall (opposite Cherry Lane Garden Centre) then towards the Hempnall roundabout where the site 4 straddles the A140.
- Site 4a joins up with another solar installation, site 4b stretches all the way down from Hempnall roundabout to Church Lane.
- **There will be between 200 and 700 construction workers to be housed in portacabins. LS is the obvious place to site them.**
- **THIS IS JUST ONE OF THE EIGHT SCHEMES PROPOSED FOR LS**



Increased Traffic



in **Table 10.7**. Note that estimates may be subject to change based on further assessment work and agreement with NCC.

Table 10.7: Trip-Generation Estimates by Site Group – Solar Farm

Site Group	% of Total Solar Farm Site Area	HGVs (vehicles)			LGVs (vehicles)			Cars / Shuttle (vehicles)	
		Total	Peak Daily	Avg. Daily	Total	Peak Daily	Avg. Daily	Peak Daily	Avg. Daily
Station Road Sites: 1A, 1B, BESS	7%	999	4	3	400	2	1	19	15
A140 South Sites: 2A, 2B, 2C	9%	1,252	5	3	501	2	1	24	19
Alburgh Road Sites: 3A, 3B, 6	11%	1,438	6	4	575	2	2	27	21
A140 West: 4A	4%	510	2	1	204	1	1	10	8
A140 East: 4B	6%	756	3	2	303	1	1	14	11
Morningthorpe North Sites: 5A, 5B	8%	1,140	5	3	456	2	1	22	17
Hempnall North Sites: 7A, 7B, 7C, 7D, 7E, 7F, 7G, 7H, 7I, 7J, 7K, 7L, 8A, 8B	36%	4,853	20	13	1,941	8	5	92	72
Littlebeck Lane: 9	5%	732	3	2	293	1	1	14	11
Woodton East Sites: 10A, 10B, 10C, 10D, 10E	14%	1,839	7	5	736	3	2	35	27
Total Vehicles (Excluding CRC)	100%	13,521	54	36	5,408	22	15	256	201
Total Movements (Arrivals + Departures) (Excluding CRC)	-	27,042	108	72	10,816	44	30	512	402

Cable Route Corridor (CRC) Trip-Generation (HGVs and LGVs)

- 10.5.6 The indicative trip-generation estimates have shown an anticipated level of traffic during the construction phase of the CRC, with a peak of 22 HGVs (44 movements) and 22 LGVs (44 movements) in total per day. The trip generation and distribution estimates for the cable corridor is subject to confirmation of the construction

- Long Stratton is a commuter town.
- The existing disruption at Swainsthorpe is caused by cabling for a tiny 49.9MW EDF Installation. The East Pye proposal is 10 times bigger than that.
- Drivers will have to face severe delays on the A140 particularly near the Hempnall Roundabout and lower at Tivetshall and beyond through South Norfolk at Dickleburgh and onwards.
- Scheme build in 2028 at same time as others
- Church Lane and Hall Lane could be severely restricted. **It's a perfect storm** of construction of the solar sites ,the cable corridor and the building of the new housing and infrastructure connected with the bypass.

We Object to EAST PYE SOLAR

- Island Green now 100% owned by Macquarie (Australian Investment Bank) who owned Thames Water and fined multiple times globally
- Because of its inappropriately huge scale: total area of project larger than whole LS Ward
- BESS site upwind of Great Moulton, Wacton and Long Stratton
- Lack of respect for residents' homes and businesses
- Industrialisation of the countryside
- Lack of active management for nature
- Impact on public rights of way

Environmental and Heritage Impacts

- Damage to soil and risk of post-solar housing development
- Grazing promises unlikely to be fulfilled
- Impact on around 300 listed buildings, conservation areas, Tibenham airfield
- Impacts on endangered species
- Cleve Hill visual precedent – industrial scale solar in countryside
- Panels 3.5 or 4.5m high
- 2.5m high deer fencing with security cameras



Lack of Benefit to our Community

- EPS admits: No local benefit in jobs, skills or energy
- No compensation for home devaluation or business impact
- All energy exported to transmission grid – none retained locally on distribution network
- Community left with environmental damage, financial impact, and risk
- Fire and pollution risk of BESS
- New 'Regional Pricing' – we would be in the same region as London therefore with both infrastructure, degraded environment, devalued homes AND higher electricity bills

Current state

- Had non-statutory consultation
- EPS submitted an EIA scoping report in January
- BEPS and others responded
- Much scoped back in by Planning Inspectorate
- Working on Environmental Impact Assessment
- Next steps
- Will receive new plans in June (EPS farmers already have them)
- Statutory consultation begins in July (18 July Hempnall)
- Register as Interested parties and category 3 persons with Planning Inspectorate
- Response to plans from all stakeholders

What can you do?

- Join BEPS on our website
- Join Block East Pye Solar Facebook Group
- Attend Hempnall community walk on 11 May at 10 am (start Village Hall)
- Attend National Community Walk 8 June at Great Moulton 10am (Coverage by BBC)
- Attend Statutory Consultation Even on 18 July in Hempnall VH
- Register with the Planning Inspectorate as an Interested party
- Send BEPS a personal impact statement (admin@blockeastpyesolar.co.uk)
- Donate to BEPS Go Fund Me page for professional and legal fees
- Put up a poster in your window (available from BEPS website)
- Share information with neighbours who may not be on social media
- Write a letter of objection when the time comes