

From: Annie Hayes <hayesannie@gmail.com>
Sent: Monday, October 4, 2021 4:44 PM
To: Kenneth Buckland
Subject: for the record re. Fearing Hill hydrology and citizens' issues

For the planning board, for the record -a hastily gathered list of issues to be considered including the hydrology study.

- the importance of Mr.Rowley's comments that bores are a tiny window that can miss the story told in the surrounding soils, that earth pits are necessary to read the soil with expert knowledge and detect such as the mottled soil indicating rise and fall of the water table

- Mr. Price's stating this as the worst possible condition for a hillside ground- mounted array is clear cut and uprooting of all plant life to plant meadow grass with very particular conditions for any success

- the acknowledgement that after the reading of the soil, uprooting all vegetation including the hundred year old trees with tap roots extending far into the soil, the churned earth resulting will not have the same water draining characteristics as the soils intact

- concern that the altered earth on the hill (not earth removal but altered how)? constitutes a changed relation of the Fearing Hill ridge contribution to the watershed of the Weweantic and Sippican Rivers Conservation defines such as watershed whether or not the property is contiguous to the rivers. The only other website design by Atlantic is a landfill where a flattened plateau is the placement of a large, ground-mounted solar.

- The current flooding of Fearing Hill Road as rain events intensify pointing to the advisability of a bond assurance for the alteration/repair of retention solutions, erosion consequences including silt into private wells that can occur over the 25-45 year term

- the insufficient review of site conditions by virtual quarterly surveillance

- t preponderance of private wells at risk with an already high water table and constant running of sub pumps and basement and yard flooding in homes on the hill which includes numerous neighborhoods

- leaching from panel incursion by precipitation and vulnerability of sealant to expansion and contraction over 25-45 years of unsheltered,intensifying heat, pummeling rain, freezing and wind

Along with

- the killing of all animal life that cannot run contributing to the depression of half of the nation's young people who are reported to be experiencing mental health issues regarding climate crisis

- the increase in Lyme and other disease as birds, mice deer and other vectors move into backyards

- heat island effect causing increased heat exhaustion which has to lesser and severe consequences including damaged kidneys

- overburdening of poorer communities, (Wareham with 9 environmental justice populations) with clear cut forests dual-use solar of potential environmental consequence and the taking of rich farmland leaving the

DOER's recommended sites of wasted land, rooftops vacant and now studied recommended solar zone proposed

-physical and mental health from diminishment of co2 absorption and sequestration by forests in exchange for o2, destruction of green space (the master plan states this land is permanently protected), the rich biodiversity provided by forested land and the comfort, richness and fascination of supporting companion species that form the natural world- our mother

-the sandwiching of residents between multiple large ground mounted solar facilities

- the noise effect of these facilities with battery storage , fans etc. that is magnified by the sound waves running with harmonics at play

-the accessibility of adjacent roads from which to reach a spreading fire as the land is surrounding by conservation land and the railroad bed

-the insufficient effort to determine vernal pools and endangered species on the site as well as the documented ancient way which made D.Moretti move his intended house site per requirement of the town

-the dangers of Fearing Hill road with water runoff icing and the p.m.direct western sun in winter

-the disheartening "for sale" sign of the young professional family who wrote an early letter to the board stating all their reasons to no longer want to raise their children in Wareham

large ground-mounted solar facilities.

-the lack of board reference to the general law stating Healthy, Safety and Welfare are Reasonable reasons for not permitting large ground-mounted solar facilities and the Mass. Dept. of Energy Resources Guidance to the general law that says the forests are the least desirable place for large ground mounted solar facilities because of the climate mitigating functions of the forests. But that large facilities belong on already disturbed land, rooftops, etc.

In 2017 Ken Buckland stated the rationale for the proposed by-law change limiting solar to smaller arrays was the proximity to residential areas. but was dissuaded by the Blue Wave Solar industry that large tracts were the way to go.

According to WarehamWeekSept. 12,2017. "Due to a lack of local regulations, solar arrays recently built on County Road and Hathaway Street were cause for concern. Specifically, noise caused by the array's "inverters," which are used to change a direct current to an alternating current, prompted the complaints. Ken Buckland was quoted as saying, "Solar farms were being built too close to residential properties, reducing the quality of life and property values."

Four years later there is increased justification for protecting the citizens of Wareham from "neighborhood solar facilities "that decimate the environment when there is still not one, as I can ascertain, solar array on a flat-roofed municipal building in

Wareham, no study for an appropriate area as recommended by DOER and NOT ONE large ground-mounted solar utility that HAS NOT involved destroying animal life, forests, water bodies, cultural sites, endangered species and neighborhoods. Nor is there necessary leadership in strengthening our commitment to greater conservation of all resources and less dependence on the false promise of "clean energy" where industry profits and citizens suffer great loss which cannot be restored.

Annie Hayes