

OBJECTION TO: Eastern Beaches Link

Saving Sydneys Trees (SST) is a Community Association concerned with the increasing depletion of Canopy, Vegetation and Green Spaces in our Urban Environment and the negative impacts of Poor Planning. We have a Facebook following of well over 9 thousand and a Data Base in excess of 12Thousand.

We find that this Project as it is presented, Fails not only Public Expectation of Best Practice but transgresses the Australian Clean Air Act; National Forest Policy and Australia's' Obligations to The Paris Agreement, ALL of which are binding on ALL LEVELS of Government and their Agencies.

We find the Project does not allow Bicycles, Electric Scooters, and other modes within the tunnel, which presents a Car or larger vehicular bias that also does not fit with Future goals and requirements indicated by Planning NSW and the Premier.

It fails to present a Realistic Carbon Neutral Footprint and as such is deemed "Unfit For the Future".

- The taking of so many Significant trees from the landscape with inadequate and non-Accountability for square metre existing and Productive to Public canopy loss or IN AREA "Offset" Canopy is completely unacceptable. It adds to a mounting case of "Double Dipping" and "Creeping Deficit" we are experiencing. Termed "Green Washing" by many. This in turn has led to Increased Calls from the Premier and Planning to PLANT and considerable Tax Dollar allocation to the "Greening Sydney Strategy". It is unfathomable that despite TfNSW and Infrastructure for NSW having promised many Inquiries "...it would learn from its mistakes"..., that THIS Panning THROUGH our Natural Assets is still being Consistently Repeated in Practice.
The negative impacts to not only the identified and Linked Health and State and Federal budgetary \$\$'Billion COSTS of the Loses of Canopy, Vegetation and Green Space, EXISTING PUBLIC ASSETS - (unaccounted for in the Cost Benefit Analysis Process); ...(Please see recent linked article at the end of this Submission)is unfathomable and unacceptable.
This violates CLIMATE Obligations and Clean Air Act. rendering 20-30 years of Children's' Health depleted...To Much of these practices is seen as a Violation of Human Rights and Culpability.
- There is the individual passed on "Heat Island/Continent" creation in the non-appraisal of "All of Landscape Impacts" across the Greater Sydney Area. These "Multiple Negative Impacts" are shared by all the Public (This again violates the CLIMATE Elements expected n Panning for our Future Sustainability and Resilience;
- Species Endangerment to LOSS is a direct expectation of these actions and Not able to be Offset;
- Erosion Creation, multiplying negatives as Climate Scientists indicate more Weather events with increased intensity and frequency is to be expected into the Future.
- Natural Water Course interference which will be created and lead to even more LOSS of Ecosystems in existence as Impacts to Burns Bridge Creek (influenced by road works through Balgowlah Golf Course would be reduced by 96% and depths in the future...The implicated ecosystem and species reliance has only 1 result, LOSS. These are LOST FOREVER and have multiple repercussions across a wide variety of dependant species/lives...THESE cannot be "Offset".

- Risks to Water Purity. Identified and yet dismissed...Is NOT acceptable (Road runoff is Pollution effected and its introduction to Manly Dam and linked creeks...The extent is too much to find any credibility in "Best Practice in Planning and Design".

SUGGESTIONS:

- Firstly, a complete review of a Best Practice and Design that does not create Pollution of Middle Harbour and avoids Many Dam and Garigal National Park detriment and The Aboriginal Carvings along Engraving Trail which is threatened from road runoff...It is noted this may need the relocation of entrances and exits to a more appropriate location or complete reassessment;
- Number of lanes, while not accommodating Public Transport poses many, many questions of appropriate design and purpose. It is seen as increasing traffic and decreasing transport times and raises the Process of Justification when all elements are accounted;
- Many in the community have indicated that Technology presented for construction of Pylons should be manufactured off site which would reduce environmental impacts and time which has many Best Practice positives;

As you can see there are MANY good reasons to REJECT this Proposal.

SST call for this review and for a re-evaluation, inclusive of all Environmentally linked \$\$COSTS to the Public placed at risk;

We call for CLIMATE Obligations and the Clean Air Act. along with the Objectives of the National Forest Policy on Development to be upheld within the design and that any Offsets be IN AREA and Ecological losses into any future, resulting from these works be concluded UNACCEPTABLE and NOT IN THE PUBLIC LONG TERM BEST INTERESTS.

...We ask for BETTER.

Most Sincerely
Margaret Hogg
(On Behalf of)
Saving Sydneys Trees

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ARTICLE REFERENCED EARLIER Follows:

Children exposed to air pollution may be at higher risk of disease in adulthood

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Reviewed by Emily Henderson, B.Sc. Feb 22 2021

Children exposed to air pollution, such as wildfire smoke and car exhaust, for as little as one day may be doomed to higher rates of heart disease and other ailments in adulthood, according to a new Stanford-led study. The analysis, published in *Nature Scientific Reports*, is the first of its kind to investigate air pollution's effects at the single cell level and to simultaneously focus on both the cardiovascular and immune systems in children. It confirms previous research that bad air can alter gene regulation in a way that may impact long-term health - a finding that could change the way medical experts and parents think about the air children breathe, and inform clinical interventions for those exposed to chronic elevated air pollution.

I think this is compelling enough for a pediatrician to say that we have evidence air pollution causes changes in the immune and cardiovascular system associated not only with asthma and respiratory diseases, as has been shown before. It looks like even brief air pollution exposure can actually change the regulation and expression of children's genes and perhaps alter blood pressure, potentially laying the foundation for increased risk of disease later in life."

*Mary Prunicki, study lead author, director of air pollution and health research,
Stanford's Sean N. Parker Center for Allergy & Asthma Research*

The researchers studied a predominantly Hispanic group of children ages 6-8 in Fresno, California, a city beset with some of the country's highest air pollution levels due to industrial agriculture and wildfires, among other sources. Using a combination of continuous daily pollutant concentrations measured at central air monitoring stations in Fresno, daily concentrations from periodic spatial sampling and meteorological and geophysical data, the study team estimated average air pollution exposures for 1 day, 1 week and 1, 3, 6 and 12 months prior to each participant visit. When combined with health and demographics questionnaires, blood pressure readings and blood samples, the data began to paint a troubling picture.

Related Stories

- Long-term exposure to air pollution can increase cardiovascular and respiratory risks
- World-leading research institutions join forces to find better treatments for pediatric diseases
- Parenting programs support social and academic engagement for children growing up in poverty

The researchers used a form of mass spectrometry to analyze immune system cells for the first time in a pollution study. The approach allowed for more sensitive measurements of up to 40 cell markers simultaneously, providing a more in-depth analysis of pollution exposure impacts than previously possible.

Among their findings: Exposure to fine particulate known as PM2.5, carbon monoxide and ozone over time is linked to increased methylation, an alteration of DNA molecules that can change their activity without changing their sequence. This change in gene expression may be passed down to future generations. The researchers also found that air pollution exposure correlates with an increase in monocytes, white blood cells that play a key role in the buildup of plaques in arteries, and could possibly predispose children to heart disease in adulthood. Future studies are needed to verify the long-term implications.

Hispanic children bear an unequal burden of health ailments, especially in California, where they are exposed to higher traffic-related pollution levels than non-Hispanic children. Among Hispanic adults, prevalence for uncontrolled hypertension is greater compared with other races and ethnicities in the U.S., making it all the more important to determine how air pollution will affect long-term health risks for Hispanic children.

Overall, respiratory diseases are killing more Americans each year, and rank as the second most common cause of deaths globally.

"This is everyone's problem," said study senior author Kari Nadeau, director of the Parker Center. "Nearly half of Americans and the vast majority of people around the world live in places with unhealthy air. Understanding and mitigating the impacts could save a lot of lives."

Source:

Stanford University