TEMECULA VALLEY
UNIFIED SCHOOL DISTRICT

Temecula Valley Unified School District

RESOLUTION NO. 2025-26/51

RESOLUTION OF THE BOARD OF TRUSTEES OF THE TEMECULA VALLEY UNIFIED SCHOOL DISTRICT OPPOSING THE SDG&E GOLDEN PACIFIC POWERLINE PROJECT ALIGNMENT NEAR SCHOOL FACILITIES

WHEREAS, San Diego Gas & Electric (SDG&E) has proposed the Golden Pacific Powerline project, a 140-mile, 500 kV high-voltage overhead transmission line system [1]; and

WHEREAS, the currently proposed route aligns directly adjacent to the property lines of active school facilities within the Temecula Valley Unified School District, specifically directly behind Vail Ranch Middle School; and

WHEREAS, the California Department of Education, under California Code of Regulations, Title 5, Section 14010(c), mandates a strict 350-foot safety setback between student-use areas and 500 kV overhead powerline easements to protect children from the potential hazards of electromagnetic fields/frequencies (EMFs), extremely low frequencies (ELFs), and magnetic frequencies (MFs):

There are extensive scientific resources on the health effects of EMF and MF exposure from power lines and substations:

- A 2022 systematic review by Brabant et al. in Reviews on Environmental Health found that long-term exposure to magnetic fields above 0.4 μT (4 milligauss) was associated with increased risk of childhood leukemia, particularly acute lymphoblastic leukemia.
- A 2021 meta-analysis of 33 studies concluded a significant association between power-line ELF exposure and childhood leukemia, with possible dose-response effects.
- A study of children in Mexico City by Correa-Correa et al. 2025 found that children exposed to 4 milligauss (ELF-EMF) in their homes had a significantly increased risk of central nervous system tumors. Prolonged tablet use also increased CNST risk, especially in children aged 6–10. Residential ELF-MF exposure was measured over 24 h.
- A study by Lowenthal et al. (2007), published in the Internal Medicine Journal, found that people who lived within 300 meters of high-voltage power lines during childhood had significantly elevated risks of lymphoproliferative and myeloproliferative disorders, including approximately threefold higher risk during the first 15 years of life and up to fivefold higher risk with exposure in early childhood.
- Kaiser Permanente studies reported that prenatal ELF-EMF exposure was associated with increased miscarriage risk as well as ADHD, obesity, and asthma. A 2020 systematic review

concluded that ELF-EMF exposure during early pregnancy is linked to higher first-trimester miscarriage risk.

- Numerous animal studies report reproductive impacts as well, and a 2026 review published in Frontiers in Physiology stated, "to sum up, the current available evidence indicates that the ELF-EMF exposure induces significant biological effects in the myometrium and the endometrium."
- Exposure to power line EMF radiation linked to Alzheimer's death risk. A large 18-year nationwide cohort study published in Environment International (2026) found effects beginning around 0.5 mG (milligauss), with stronger associations observed in the 1–3 mG range, a range commonly found in homes close to electrical grid infrastructure.
- Extremely low-frequency magnetic fields (ELF-MF) from power lines are associated with a higher risk of central nervous system tumors in children, as reported in Environment International (2025).

WHEREAS, in 2002, the WHO's International Agency for Research on Cancer (IARC) determined that ELF-EMF magnetic fields are "possibly carcinogenic" to humans due to this research;

WHEREAS, the industry and international guidelines of the Institute of Electrical and Electronics Engineers (IEEE) and the International Commission on Non-Ionizing Radiation Protection (ICNIRP) primarily address short-term, acute effects (such as nerve stimulation), not long-term EMF exposure health effects. They are set far above the EMF levels associated with childhood cancer in long-term epidemiological studies;

WHEREAS, the proposed overhead placement fails to respect the spirit and safety thresholds established by state educational standards for student wellness and campus safety; and

WHEREAS, the construction and operation of massive high-voltage towers adjacent to school grounds creates unnecessary visual blight, compromises campus security, and risks degrading local property values that support district funding; and

WHEREAS, the California Public Utilities Commission (CPUC) requires utility providers to implement low-cost and no-cost EMF mitigation measures, including rerouting or undergrounding infrastructure near sensitive receptors such as schools;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Education of the Temecula Valley Unified School District hereby formally opposes the current alignment of the Golden Pacific Powerline project near Vail Ranch Middle School and any other district property.

BE IT FURTHER RESOLVED, that the Board demands that SDG&E and the CPUC modify the project scope to entirely reroute the 500 kV transmission lines away from school sites, or alternatively, completely underground the infrastructure to eliminate overhead EMF exposure and meet or exceed Title 5 distance safety standards.

BE IT FURTHER RESOLVED, that the Superintendent is directed to transmit a copy of this Resolution to SDG&E project managers, the CPUC, the California Department of Education, and our elected state representatives.

PASSED AND ADOPTED by the following vote of the members of the Board of Education of the Temecula Valley Unified School District, Riverside County, State of California, this ___ day of _____, 2026.

AYES:_____
NOES:_____
ABSTAIN:_____
ABSENT:_____

_____
President of the Board of Education for the
Temecula Valley Unified School District

ATTESTED TO:

_____
Clerk of the Board of Education for the
Temecula Valley Unified School District