

# Dear Mayor and City Council of San Antonio

It is with great respect for your dedication to our community's heritage that we submit this urgent proposal regarding the future of **The Alamo** and the **San Antonio Missions National Historical Park** which are more than UNESCO World Heritage sites; they are the soul of Texas and the economic engine of our city. However, the predictive models we built reveal a new siege facing these historic walls—not from an army, but from a rapidly changing climate.

**The historical landmarks are facing not only the climate crisis but also the financial dilemma.** Our analysis indicates an accelerating threat that extreme weather events are projected to surge from **9.00** per year in 2025 to **12.21** per year by 2050. Without immediate intervention, we risk not just irreversible physical damage, but the erasure of our cultural identity. Here also lies the challenge: Effective protection requires an upfront investment of **\$550 million**. In the eyes of a traditional insurer, the tangible "brick-and-mortar" value of these structures is merely **\$1.055 million**. No commercial entity will underwrite a \$550 million risk for a \$1 million asset. This market failure leaves a critical funding gap.

However, our **Preservation Index (PI)** model tells a different story. By quantifying the "intangible value" (Cultural Score: 80.48/100), we calculate the site's true social worth at over **\$241 million**, supported by a projected **\$35.24 billion** in tourism revenue over the next 26 years. Our model yields a decisive **Preservation Index of 6.19**. In plain terms: **For every \$1 the city invests in protection today, society reaps more than \$6 in returns.** This is not just preservation; it is a high-yield investment strategy.

So based on our model and the results, we'd like to make proposals that may make contributions on protecting the historical landmarks as followings:

- **Plan:** Immediately issue \$550 million in "Climate Resilience Bonds" to fund structural reinforcement and flood defenses.
- **Timeline:** Structure the bonds with a 26-year maturity (2025–2050) to align debt repayment with the projected tourism revenue stream.
- **Funding:** Prioritize cost-effective in-situ maintenance (\$270,000/year). Repay the bonds using a dedicated 1% allocation of the Hotel Occupancy Tax, leveraging visitor revenue to protect visitor attractions.

We stand ready to present our full technical report and implementation roadmap at your earliest convenience.

