



Monterey Peninsula Airport District Geographic Information System

Monterey Airport

profile

2001 - Present

Summary Scope of Work:

In an on-going endeavor with the Monterey Peninsula Airport District, Jones Payne is providing GIS services, to complement the Soundproofing Program. All houses involved in the noise mitigation program are now linked to GIS parcel data. This allows pertinent elements of the Program process to easily be identified and analyzed. For example, GIS allows the client as well as project managers to assess a home's location within a sound contour and identify its phase progress status.

Jones Payne created a base map, and applied overlays in order to study the eligibility area of the program. Used for project reporting, GIS has led to an increase of the initial size of the Sound Insulation Program, as it helped the Project Team determine a method to assure neighborhood equity. Using GIS to analyze a specific neighborhood allowed us to graphically depict neighborhood characteristics to ensure the program was making equitable decisions about the affected neighborhoods. This process enabled 500 extra units to be considered and an additional five years of funding to be added to the initial package, increasing the public's satisfaction with Airport Mitigation efforts.

GIS has also been used for Airport Planning, where it helped with evaluating clear zones. Buildings within the clear zone can be easily identified, and clear zone intrusion can be avoided or eliminated. An Edge Study was conducted using the system to understand airport boundaries and abutting uses.

Additionally, GIS has been instituted to assist in terminal leasehold management, providing spatial search tools to target lease requirements and manage revenue projections.

Services Include:

- Integrating converted data with existing digital zoning and general plan data from County sources
- Performing an overlay analysis of historical Residential Sound Insulation projects
- Integrating Residential Sound Insulation Database
- Analyzing project "edge" and updating Part 150 EIS implementation plan

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