# Manzili Energy Audit Service Report

Report Number:

## Overview

This report summarizes the results and recommendations following the energy audit conducted in your home as part of the Manzili home energy consultancy service in Ras Al Khaimah. The goal of the audit is to help reduce your electricity and water bills and make your home more comfortable and modern.

## Audit Details

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Details | Item | Details |
| Date Of Audit |  | Report Number |  |
| Homeowner |  | Contact Number |  |
| Location |  | Type Of Accommodation | Villa |
| House Number |  | Year Of Construction |  |
| Number Of Bedrooms | 3 | Number Of Floors | 1 |

## Notes

|  |  |
| --- | --- |
| Item | Details |
| Outdoor Garden | None |
| Swimming Pool | No |
| Ac Systems |  |
| Lighting |  |
| Water Taps |  |
| Water Heaters |  |

## Recommendations

|  |  |  |
| --- | --- | --- |
| Recommendations | Benefits | Implementation |
| High Priority | | |
| Ensure regular maintenance of air conditioning units (at least twice a year) in | Regular maintenance helps extend the life of the air conditioner, reduces dust entry into the house, decreases water leakage chances, and lowers the noise of the air conditioner | Contact maintenance companies [Click for list of maintenance contractors](https://docs.google.com/spreadsheets/d/1rqwzN-D2RJ2ac2QbBIL9fftC_7G5_BFo/edit) |
| Medium Priority | | |
| Low Priority | | |
| Consider replacing electric water heaters with solar-powered water heater systems in | Replacing electric water heaters with solar water heater systems can reduce electricity consumption by more than 30% | Contact water heater distributors [Click for list of hot water distributors](https://docs.google.com/spreadsheets/d/15EE5RY2HlkXwm8OqhwxHlcr4x5O19O1H/edit?gid=1168429725#gid=1168429725) |

## AI-Generated Recommendations

- \*\*AC-System.:\*\* Provide details about the type, number, and usage of AC systems to offer tailored recommendations like switching to energy-efficient models or optimizing usage patterns.   
- \*\*Lighting:\*\* Specify the types of lighting fixtures (incandescent, CFL, LED) and their usage to suggest replacements with LEDs or installation of occupancy sensors for significant energy savings.  
- \*\*Water Taps:\*\* Include information about the type of taps (standard, low-flow) and any observed leaks. Recommend installation of low-flow aerators on faucets and showerheads to reduce water consumption without compromising water pressure, resulting in both water and energy savings. Prompt leak repair for immediate cost reduction.  
- \*\*Water Heaters:\*\* Provide details about the type (electric, gas, tankless) and age of the water heater. Suggest switching to a tankless water heater or a more efficient model based on fuel type and usage. Recommending insulation for the existing water heater and pipes to reduce heat loss can also be beneficial.  
- \*\*Other Observations:\*\* Request information about appliances, insulation levels, and other energy-consuming equipment to provide comprehensive recommendations, such as using smart power strips for standby power reduction, improving insulation, or upgrading to energy-efficient appliances.

## Disclaimer

This report is based on visual observations of the main equipment related to energy and water in your home by the Ras Al Khaimah Municipality. The observations do not include any detailed measurements or analyses.

Potential savings indicated in the report are estimates and not guaranteed. There is no obligation to implement any recommendations, and the Ras Al Khaimah Municipality will not be liable for any actions taken by the homeowner or any other party.

The information provided is based on available data from the Ras Al Khaimah Municipality and recommended suppliers and contractors. The municipality welcomes feedback on the listed companies and suggestions for new companies to be added to the list. For any suggestions, please email manzily@mun.rak.ae.