

LADWP x Cleantech Academy Handout

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LADWP x Cleantech Academy Final Presentation Abstract

During Summer 2025, I developed an AI-powered chatbot for LADWP's Power New Business division to streamline access to technical standards, and created a report to identify unmetered ADUs in NBIAC work requests. These projects aimed to improve operational efficiency, reduce revenue loss, and enhance knowledge accessibility for LADWP staff.

Outline of Presentation

1. Introduction & Context
 - Overview of LADWP Power New Business division and Solar Power Engineering office
2. Chatbot Development Project
 - Purpose: Retrieval of ESR, NEM, Specs 104, and WMIS definitions
3. NBIAC / ADU Revenue Recovery Project
 - Purpose: Identify energized but unmetered ADUs within NBIAC work requests
4. Challenges & Mitigation
5. Skills & Experience Gained
6. Future Plans

Glossary

- PNBED: Power New Business and Electrification Division
 - ESR: Electric Service Requirements/Representatives
 - NEM: Net Energy Metering, policy for customer-owned generation feeding
 - Specs 104: LADWP underground conduit installation specification
 - WMIS: Work Management Information System, internal tool for work requests
 - NBIAC: New Business Installation Accelerated Construction, category of work requests for new meters
 - ADU: Accessory Dwelling Unit – secondary housing unit on a single-family lot
 - RAG: Retrieval-Augmented Generation – AI architecture combining retrieval from a database with generative model output
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