# Utility Analysis Track Summary

## Track Name:

Utility Analysis Track (UA\_SharedLoad\_Analysis\_Track)

## Purpose:

To create a flexible, multi-scenario utility allowance and shared load analysis tool. It integrates CUAC-style unit-level energy modeling with house meter load attribution, allowing reporting flexibility for both compliance and internal QA/QC.

## Key Features:

- CUAC-compatible XML import and simulation logic

- Shared load simulation and reporting (central DHW, corridor lighting, etc.)

- Toggle-able metering scenarios (submetered, house-metered, hybrid)

- Cross-state reporting adaptability (CA-specific CUAC, HUD engineering method)

- Integration-ready with EM Tools tracks such as LCCA and EnergyPlus

## Folder Structure Overview:

docs/ - Documentation and guidance materials  
tools/ - Python scripts and Excel models  
sample\_data/ - Sample XML and input files for different states  
outputs/ - Generated utility analysis reports  
changelog/ - Track version history

## Version:

v0.01 — Initial setup with hybrid framework placeholders and tool planning.