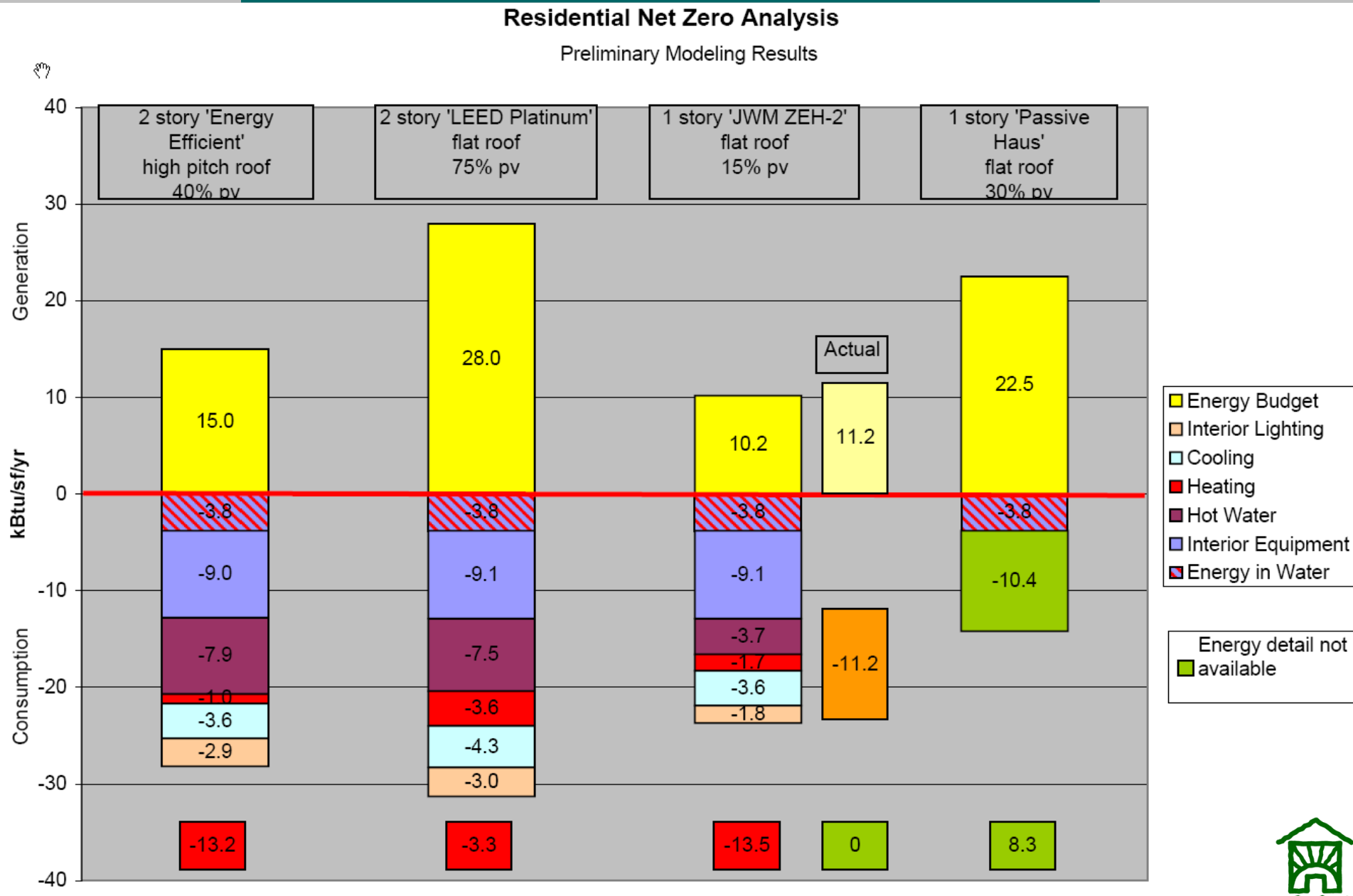Residential Case Studies