



Quality Assurance and Quality Control Inspections

Single and Multifamily Assessments

CMC performs three types of inspections, most of which are part of a retrofit program.

Tier 1 inspections include weekly audit scheduling data from lead vendors, and involve visual inspections in-process audits. The goal is to ensure that the HEA Professional is offering all cost effective, PA-approved measures

Tier 2 inspections require post-audit visual assessments of installed lighting, appliances, water measures, door sweeps and thermostats.

Tier 3 inspections cover post-audit installed measures, including insulation and air sealing inspections with an infrared camera. It also includes visual inspections of structural damage from an installation, as well as verifications of heating/AC/DHW equipment, thermostats, water measures, lighting and custom measures.

Single and Multifamily (New Construction)

For newly constructed homes, CMC performs very specific plan reviews, REM rate checks, and verifications of installed technologies and site conditions, including appliances, lighting, air sealing, insulation, mechanical ventilation, duct sealing and water heaters.

Large C&I QA Inspections

Our QA pre- and post-inspections on the Large Commercial and Industrial Program are for customers that use greater than 300 Kilowatts per month – usually warehouses, schools, hotels and other large facilities. We performs on-site verifications that all measures proposed or installed are accurate, including lighting and controls, motors, compressed air systems, HVAC systems, variable speed drives, and custom projects.

Small Business QA Inspections

We also provide QA post-inspections on the Small Business Program for customers that use 300 or fewer Kilowatts per month. National Grid pays up to 70% of the installation costs and equipment, and the customer can finance the remaining 30% interest free for up to 24 months. CMC verifies that all measures installed are accurate, including lighting upgrades, time clocks, photo cells for outdoor lighting, occupancy sensors, programmable thermostats and walk-in cooler measures.

48 Hour Service QA Inspections

CMC's QA post inspections on the 48 Hour Service Program enable customers to obtain inspections within 48 hours rather than the usual 20 to 30 days required for pre-inspections. CMC provides concierge, white-glove service, breaking down any barrier that would inhibit participation. A contractor makes just one call to schedule the audit, where all information is captured directly into InDemand

immediately. The site visit is conducted within 48 hours, and a company commitment letter is sent to the customer and applicant.

This program is currently available in the Southeast and South Shore (MA) districts.

Upstream Lighting Initiative QA Inspections

CMC is currently providing Quality Assurance post inspections on the Upstream Lighting Program. A number of utility companies have partnered with electrical distributors to offer the design community, architects, contractors, and commercial lighting customers discounted pricing on the most efficient LED directional lamps and reduced-wattage linear fluorescent lamps. These high-quality energy efficient lamps can be installed at a comparable cost to conventional lighting products.

CMC conducts 5% post inspections for Massachusetts and Rhode Island, scheduling appointments directly with the customers. Inspections are entered into the database and reports are created based on each PA need.

Upstream HVAC, Food Service and Water Heaters QA Inspections

This component of the Upstream initiative involves a distributor-based incentive (buy down) of the cost of qualifying energy efficient equipment at the point of purchase for participating contractors. Lead Vendor collects and maintains data regarding distributors, contractors, end-use customers, purchased equipment and incentive levels.

CMC physically inspects eligible equipment to confirm installation and compliance with the Upstream program guidelines. We locate, verify and photograph each installed unit for documentation purposes. This information is then input into our database, with reports generated for each job. Pass/Fail designations can then be used based on the inspection criteria and PA's individual requests.

MFHR (Multifamily High Rise) QA Inspections

All multi-family residential new construction projects, four stories and greater, are eligible to apply to this program path for incentives, including new construction and gut rehabilitation projects. Along with incentives for energy efficient new construction and technologies, participants get a cost supplement for contracting with a third-party verifier.

Three paths are available for participation: Whole Building Simple Prescriptive Path, Whole Building Interactive Path, and Residential In-Unit Savings Path.

Our team physically inspects installed equipment to confirm installation and program compliance throughout the property. This includes locating, verifying and photographing the installed measures for documentation purposes.

Cape Light Compact C&I QA Inspections (Teamed with TRC)

The scope includes the pre- and post-installation inspections of commercial & industrial projects, for Large Retrofit Program and Small Retrofit Program projects.

A CMC team member collects the necessary site data and documents findings with appropriate photographs, with discrepancies noted as needed. Depending upon the nature of the inspection, subcontractors may be invited to attend as well.