

# Energy Code Compliance Survey: Results Summary for Focus Group

An excerpt of the survey results are provided below. Results are based on 188 completed surveys from a range of building industry professionals and building officials.

## Compliance Rates – Provincial

For the purposes of the survey, **compliance** was defined as strictly meeting all requirements of the applicable standards. Respondents were asked to indicate the **compliance rate**, defined as the proportion of buildings that demonstrate compliance.

This estimate of technical compliance was framed in a variety of contexts:

- **Individual Practice** (projects with direct involvement of the survey respondent)
- **Industry in General** (assessment of typical industry practice across all buildings)
- **As-Designed** (intention according to building design documents)
- **As-Built** (conditions at completion of construction)

The following table summarizes the survey responses in terms of building type:

	Multi-Unit Residential	Small Commercial	Large Commercial	Average
As-Designed Compliance Rate (INDIVIDUAL)	79%	78%	80%	79%
As-Built Compliance Rate (INDIVIDUAL)	79%	78%	80%	79%
As-Designed Compliance Rate (INDUSTRY)	60%	60%	65%	62%
As-Built Compliance Rate (INDUSTRY)	59%	61%	63%	61%

The following table summarizes the survey responses in terms of respondent type:

	Building Official	Architect	Engineer
As-Designed Compliance Rate (INDIVIDUAL)	68%	86%	84%
As-Built Compliance Rate (INDIVIDUAL)	77%	80%	82%
As-Designed Compliance Rate (INDUSTRY)	65%	66%	58%
As-Built Compliance Rate (INDUSTRY)	65%	63%	56%

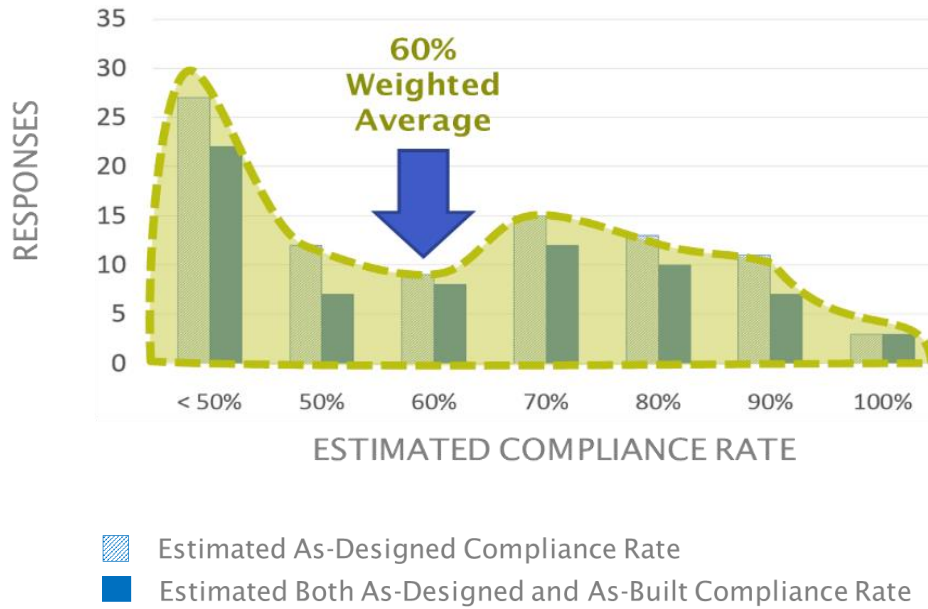
The overall compliance rates were calculated based on a weighted average. A typical response histogram is shown in the figure below. The figure represents the estimated **as-designed compliance rate** for **multi-unit residential buildings (MURBS)** based on (1) individual experience and (2) assessment of the industry in general. An additional series is provided that considers only those respondents who estimated both as-designed and as-built compliance.

**(1) INDIVIDUAL PRACTICE**



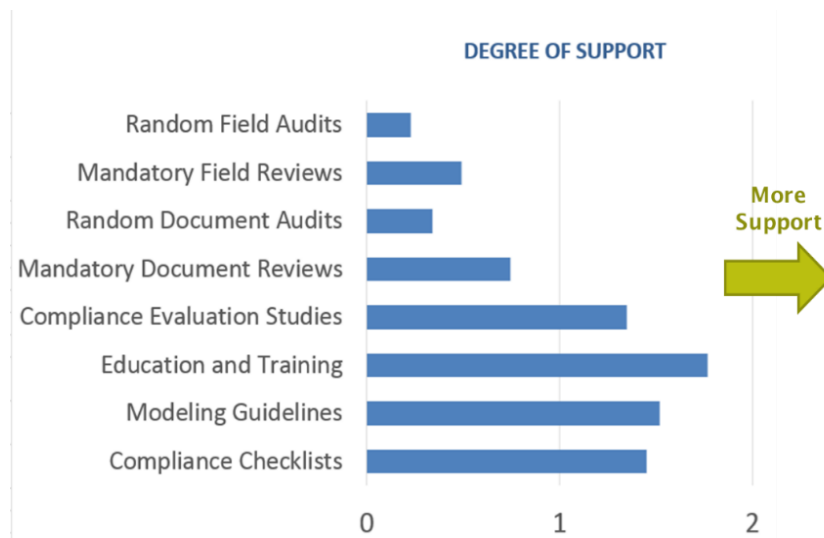
- Estimated As-Designed Compliance Rate
- Estimated Both As-Designed and As-Built Compliance Rate

(2) INDUSTRY IN GENERAL



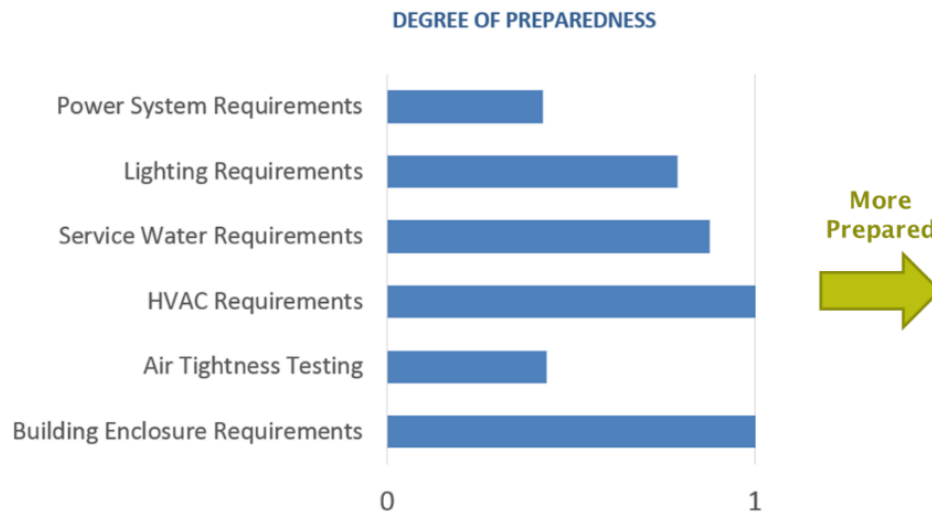
Options for Improving Energy Code Compliance

Looking forward to future code developments, preliminary results from the survey indicate a high degree of support for measures to increase and support energy code compliance in BC. Aggregate results shown in the figures below are based on a weighted average of responses, normalized from -2 to +2. (Scale includes the range: -2 Unsupportive; -1 Somewhat Unsupportive; +1 Somewhat Supportive; +2: Supportive).



### Preparedness for Increased Standards

A moderately high degree of preparedness for more stringent requirements was indicated. Aggregate results shown in the figures below are based on a weighted average of responses, normalized from -2 to +2. (Scale includes the range: -2 Unprepared; -1 Somewhat Prepared; +1 Prepared; +2: Already Doing).



Although preliminary analysis of survey responses collected for this question indicates a high degree of support for future measures to support compliance and enforcement of energy codes as well as a moderately high degree of support for more stringent requirements, many respondents skipped parts of the questions or indicated that there was not sufficient data to comment.