

## Part III - Administrative, Procedural, and Miscellaneous

### Credit for Carbon Dioxide Sequestration 2011 Section 45Q Inflation Adjustment Factor

Notice 2011-50

#### SECTION 1. PURPOSE

This notice publishes the inflation adjustment factor for the credit for carbon dioxide (CO<sub>2</sub>) sequestration under § 45Q of the Internal Revenue Code (§ 45Q credit) for calendar year 2011. The inflation adjustment factor is used to determine the amount of the credit allowable under § 45Q. The calendar year 2011 inflation-adjusted credit applies to the amount of qualified CO<sub>2</sub> captured by a taxpayer at a qualified facility and disposed of in secure geological storage.

#### SECTION 2. BACKGROUND

Section 45Q(a)(1) allows a credit of \$20 per metric ton of qualified CO<sub>2</sub> that is captured by the taxpayer at a qualified facility, disposed of by the taxpayer in secure geological storage, and not used by the taxpayer as a tertiary injectant. Section 45Q(a)(2) allows a credit of \$10 per metric ton of qualified CO<sub>2</sub> that is captured by the taxpayer at a qualified facility, used by the taxpayer as a tertiary injectant in a qualified enhanced oil or natural gas recovery project (EOR project), and disposed of by the taxpayer in secure geological storage.

Section 45Q(b)(1) defines the term “qualified carbon dioxide” as CO<sub>2</sub> captured from an industrial source that would otherwise be released into the atmosphere as industrial emission of greenhouse gas (GHG), and that is measured at the source of capture and verified at the point of disposal or injection. Qualified CO<sub>2</sub> includes the initial deposit of captured CO<sub>2</sub> used as a tertiary injectant but does not include CO<sub>2</sub> that is re-captured, recycled, or otherwise re-injected as part of the enhanced oil and natural gas recovery process.

Section 45Q(c) defines the term “qualified facility” as an industrial facility that is owned by the taxpayer, where carbon capture equipment is placed in service, and where at least 500,000 metric tons of CO<sub>2</sub> is captured during the taxable year.

Section 45Q(d)(2) provides that the Secretary, in consultation with the Administrator of the Environmental Protection Agency (EPA), the Secretary of Energy, and the Secretary of the Interior, shall establish regulations for determining adequate security measures for the geological storage of CO<sub>2</sub> under paragraph (1)(B) or (2)(C) of subsection (a) such that the CO<sub>2</sub> does not escape into the atmosphere. See section 5 of Notice 2009-83, 2009-44 I.R.B. 588, for procedures regarding secure geological storage.

Section 45Q(d)(5) allows the § 45Q credit to the person that captures and physically or contractually ensures the disposal of or the use as a tertiary injectant of the qualified CO<sub>2</sub>, except to the extent provided in regulations prescribed by the Secretary.

Under § 45Q(d)(7), for taxable years beginning in a calendar year after 2009, the dollar amount contained in § 45Q(a) must be adjusted for inflation by multiplying such

dollar amount by the inflation adjustment factor for such calendar year determined under § 43(b)(3)(B), determined by substituting “2008” for “1990.”

Section 43(b)(3)(B) defines “inflation adjustment factor” as, with respect to any calendar year, a fraction the numerator of which is the GNP implicit price deflator for the preceding calendar year and the denominator of which is the GNP implicit price deflator for 1990. For purposes of § 45Q(d)(7), with respect to 2011 calendar year, the inflation adjustment factor is a fraction the numerator of which is the GNP implicit price deflator for 2010 (110.654) and the denominator of which is the GNP implicit price deflator for 2008 (108.626).

Section 45Q(e) provides that the § 45Q credit will apply with respect to qualified CO<sub>2</sub> before the end of the calendar year in which the Secretary, in consultation with the EPA, certifies that 75,000,000 metric tons of qualified CO<sub>2</sub> have been taken into account in accordance with § 45Q(a).

### SECTION 3. INFLATION ADJUSTMENT FACTOR

The inflation adjustment factor for calendar year 2011 is 1.0187. The 45Q credit for calendar year 2011 is \$20.37 per metric ton of qualified CO<sub>2</sub> under § 45Q(a)(1) and \$10.19 per metric ton of qualified CO<sub>2</sub> under § 45Q(a)(2).

### SECTION 4. DRAFTING INFORMATION

The principal author of this notice is Jennifer C. Bernardini of the Office of Associate Chief Counsel (Passthroughs & Special Industries). For further information regarding this notice contact Jennifer C. Bernardini on (202) 622-3110 (not a toll-free call).

