



ENERGY MANAGEMENT (CSP Enhancements)

April 2005

Enhancement Activity Task Sheet #7

WV-CSPEEM-TS

Name: _____

Worksheet 7 - Use fuels blended with renewable agricultural products (Bio-fuel)

Payment schedule: \$125.00/yr for first 100-500 gallons of bio-fuels used
 \$125.00/yr for each additional 500 gallons of bio-fuels used

Using renewable energy fuels can eliminate the use of toxic fuel additives, such as MTBE (Methyl Tertiary Butyl Ether); reduce air and water pollution; and reduce greenhouse gas emissions.

Use this table to keep a running record of bio-fuel use. Receipts must be maintained and provided as documentation for payment.

Date	Fuel Type	Amount (gallons)	Renewable Component (gallons)	Estimated Payment (\$)
August 8, 2005	E85 <i>Example</i>	6,000	6,000 × .85 = 5,100 (See Table 1)	\$1375 (See Table 2)

Notes:

- Bio-fuel is defined as *bio-diesel* and *fuel grade ethanol*.
- Payments for renewable fuel under CSP are *limited to the bio-based portion* of eligible blended fuels in 500 gallon increments. For example, E-85 is 85% ethanol, therefore, for 588 gallons of ethanol, payment will be made only for the 500-gallon bio-based component.

Use of Renewable Fuels Certification

I certify that over the past 12 months I have used the renewable, agricultural based fuel products on my agricultural operation specified on the table above.

Clients Signature: _____ Date: _____



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Look-up tables are provided for converting the most commonly-used renewable fuel blends to their eligible renewable components. An example of a calculated method for E85 is also provided in Line 1 of the record keeping sheet.

Table 1 - Conversion Charts (Renewable Fuel Portion of Blended Fuels)

E85 (Ethanol 85) ¹		E10 (Ethanol 10) ²		B20 (Biodiesel) ³		B10 (Biodiesel) ⁴	
Gallons of Blended Fuel	Equivalent Gallons of BioFuel	Gallons of Blended Fuel	Equivalent Gallons of BioFuel	Gallons of Blended Fuel	Equivalent Gallons of BioFuel	Gallons of Blended Fuel	Equivalent Gallons of BioFuel
120	100	1,000	100	500	100	1,000	100
588	500	5,000	500	2,500	500	5,000	500
1,176	1,000	10,000	1,000	5,000	1,000	10,000	1,000
1,764	1,500	15,000	1,500	7,500	1,500	15,000	1,500
2,353	2,000	20,000	2,000	10,000	2,000	20,000	2,000
2,941	2,500	25,000	2,500	12,500	2,500	25,000	2,500
3,529	3,000	30,000	3,000	15,000	3,000	30,000	3,000
4,117	3,500	35,000	3,500	17,500	3,500	35,000	3,500
4,705	4,000	40,000	4,000	20,000	4,000	40,000	4,000
5,293	4,500	45,000	4,500	22,500	4,500	45,000	4,500
5,881	5,000	50,000	5,000	25,000	5,000	50,000	5,000

Note: Above 5,000 gallons use the following calculations to determine the renewable portion of the blended fuel.

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. 85% of fuel is ethanol 2. 10% of fuel is ethanol 3. 20% of fuel is soybean oil 4. 10% of fuel is soybean oil | $\text{gallons of blended fuel} \times .85 = \text{equivalent of bio-fuel}$
$\text{gallons of blended fuel} \times .10 = \text{equivalent of bio-fuel}$
$\text{gallons of blended fuel} \times .20 = \text{equivalent of bio-fuel}$
$\text{gallons of blended fuel} \times .10 = \text{equivalent of bio-fuel}$ |
|--|--|



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Table 2 - 2005 Payment Chart (Renewable Fuel Portion of Blended Fuels)

(Gallons)	Payment (\$)	(Gallons)	Payment (\$)
100-500	125	20,000 – 20,499	5,125
500 – 999	250	20,500 – 20,999	5,250
1,000 – 1,499	375	21,000 – 21,499	5,375
1,500 – 1,999	500	21,500 – 21,999	5,500
2,000 – 2,499	625	22,000 – 22,499	5,625
2,500 – 2,999	750	22,500 – 22,999	5,750
3,000 – 3,499	875	23,000 – 23,499	6,000
3,500 – 3,999	1,000	23,500 – 23,999	6,125
4,000 – 4,499	1,125	24,000 – 24,499	6,250
4,500 – 4,999	1,250	24,500 – 24,999	6,375
5,000 – 5,499	1,375	25,000 – 25,499	6,500
5,500 – 5,999	1,500	25,500 – 25,999	6,625
6,000 – 6,499	1,625	26,000 – 26,499	6,750
6,500 – 6,999	1,750	26,500 – 26,999	6,875
7,000 – 7,499	1,875	27,000 – 27,499	7,000
7,500 – 7,999	2,000	27,500 – 27,999	7,125
8,000 – 8,499	2,125	28,000 – 28,499	7,250
8,500 – 8,999	2,250	28,500 – 28,999	7,375
9,000 – 9,499	2,375	29,000 – 29,499	7,500
9,500 – 9,999	2,500	29,500 – 29,999	7,625
10,000 – 10,499	2,625	30,000 – 30,499	7,750
10,500 – 10,999	2,750	30,500 – 30,999	7,875
11,000 – 10,499	2,875	31,000 – 31,499	8,000
11,500 – 11,999	3,000	31,500 – 31,999	8,125
12,000 – 12,499	3,125	32,000 – 32,499	8,250
12,500 – 12,999	3,250	32,500 – 32,999	8,375
13,000 – 13,499	3,375	33,000 – 33,499	8,500
13,500 – 13,999	3,500	33,500 – 33,999	8,625
14,000 – 14,499	3,625	34,000 – 34,499	8,750
14,500 – 14,999	3,750	34,500 – 34,999	8,875
15,000 – 15,499	3,875	35,000 – 35,499	9,000
15,500 – 15,999	4,000	35,500 – 35,999	9,125
16,000 – 16,499	4,125	36,000 – 36,499	9,250
16,500 – 16,999	4,250	36,500 – 36,999	9,375
17,000 – 17,499	4,375	37,000 – 37,499	9,500
17,500 – 17,999	4,500	37,500 – 37,999	9,625
18,000 – 18,499	4,625	38,000 – 38,499	9,750
18,500 – 18,999	4,750	38,500 – 38,999	9,875
19,000 – 19,499	4,875	39,000 – 39,499	10,000
19,500 – 19,999	5,000	39,500 – 39,999	10,125