 List of GCAM factors that we think may be used to inform BSM or be compared with BSM:

1. Agricultural production levels and prices
2. Domestic energy consumption and prices (biofuels, bioenergy, petrol fuels)
3. Domestic biofuel production levels
4. Domestic vehicle markets
5. International demand for biomass and bioenergy from the US
6. US energy imports
7. Carbon prices

Questions:

1. What parameters in GCAM represent mentioned above factors? What are their dimensions? Are they calculated for the US in general/ by states/ or globally?

In order to import/ compare GCAM parameters we need to convert them into BSM format using the BSM region diversification.

Regions in BSM:

1. Pacific – California, Oregon, Washington
2. Mountain –Montana, Idaho, Wyoming, Nevada, Utah, Colorado, Arizona, New Mexico
3. Northern Plains – North Dakota, South Dakota, Nebraska, Kansas
4. Southern Plains – Oklahoma, Texas
5. Lake States – Minnesota, Wisconsin, Michigan
6. Corn Belt – Iowa, Missouri, Illinois, Indiana, Ohio
7. Northeast – Maine, Vermont, New Hampshire, New York, Massachusetts, Connecticut, Rhode Island, Pennsylvania, New Jersey, Delaware, Maryland
8. Appalachian –Kentucky, West Virginia, Virginia, Tennessee, North Carolina
9. Southeast – Alabama, Georgia, South Carolina, Florida
10. Delta States – Arkansas, Mississippi, Louisiana

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| Possible imports from GCAM | Parameters to Compare GCAM and BSM final results |
| **1 Stage** | |
| Petroleum Price, price of biofuel and bioenergy | Agricultural production levels and prices |
| Carbon Prices | Domestic biofuel/ bioproducts production levels |
| **2 Stage** | |
| Petroleum Price, price of biofuel and bioenergy | Agricultural production levels and prices |
| Carbon Prices | Domestic biofuel/ bioproducts production levels |
| Numbers of vehicles |  |
| Energy Imports |  |
| International Demand for Bioenergy |  |