

## February 26, 2021: Program Update

Revised April 1, 2021

### Guidance on utility-specific electricity carbon intensity calculations in GREET

#### Background

The Oregon Clean Fuels Program is providing guidelines for utility-specific inputs (user-defined resources mix) for the electricity carbon intensity (CI) calculations in OR-GREET 3.0. Based on its review of the quality of inputs for utility-specific data, Oregon Department of Environmental Quality may require any applicant to use the regional default value currently provided in OR-GREET 3.0.

This bulletin provides new information about the utility-specific resources mix inputs for OR-GREET 3.0 and the associated supporting data the regulated parties need to provide for a fuel pathway application.

#### Utility-Specific Electricity Carbon Intensity

In OR-GREET 3.0, there is a Region Selection tab. This tab allows the user to select feedstock and fuel, electricity resources mix, crude sources, and natural gas sources for the intended region.

Regulated parties should use the Regional Selection- User Defined Electricity Resources Mix (yellow boxes) for data input to the model.

**In-state producers can refer to the utility CI values published by DEQ that are based on facility and utility specific data reported through DEQ's greenhouse gas reporting program.<sup>1</sup> All producers (in-state and out-of-state) must provide the following documentation.**

Documentation of the utility-specific resources mix data is subject to DEQ and third party verification and must include the following:

- Documentation of all utility-specific power sources shown as a percent of total system load
- Documentation of the utility-specific power generation capacity for each source (solar, wind, hydro, etc.)
- Documentation stating the marginal generation available

#### “Other (purchased)”<sup>2</sup> Category in User-Defined Electricity Resources Mix

All unspecified sources or non-specified sources or non-specified purchases must be defined. In the CFP, these otherwise undefined sources must be input to the “others (purchased)” category in the OR-GREET 3.0 model. These inputs to the system will be accounted for according to the definition OAR 340-215-0020(57):

(57) “Unspecified source of electricity” or “unspecified source” means a source of electricity that is not a specified source at the time of entry into the transaction to procure the electricity. For the purposes of this division, electricity imported, sold, allocated, or distributed to end users in this

---

<sup>1</sup> In-state utility CI values published by DEQ: [State of Oregon: Oregon Clean Fuels Program - Electricity Guidance Documents](#)

<sup>2</sup> “Other (purchased)” does not pertain to any Renewable Energy Certificates (RECs) issued. The presence or absence of RECs are not used in the Greenhouse Gas Reporting Program's accounting, nor in our accounting for the CI of electricity as it is delivered to fuel production facilities.



State of Oregon  
Department of  
Environmental  
Quality

**Clean Fuels  
Program**  
700 NE Multnomah St.  
Suite 600  
Portland, OR 97232  
Phone: 503-229-5696  
800-452-4011  
Fax: 503-229-6124  
Contact: Kiara Winans  
[OregonCleanFuels@deq.state.or.us](mailto:OregonCleanFuels@deq.state.or.us)

[www.oregon.gov/DEQ](http://www.oregon.gov/DEQ)

*DEQ is a leader in restoring, maintaining and enhancing the quality of Oregon's air, land and water.*

state through an energy imbalance market or other centralized market administered by a market operator is considered to be an unspecified source.

These sources are accounted for using the emission factor in OAR 215-0120(2) (a):

(a) The emission factor for calculating emissions from unspecified power is 0.428 MT CO<sub>2e</sub>/MWh.<sup>3</sup>

### **Alternative formats**

DEQ can provide documents in an alternate format or in a language other than English upon request. Call DEQ at 800-452-4011 or email [deqinfo@deq.state.or.us](mailto:deqinfo@deq.state.or.us).

---

<sup>3</sup> In OR-GREET and CA-GREET, the electricity generation mix for Year 2010 and after are from Annual Energy Outlook 2013. Ref.: <https://www.eia.gov/outlooks/aeo/>