

# Supporters can't agree on low-carbon measures

By HILLARY BORRUD  
Capital Bureau

On its face, Oregon's low-carbon fuel standard has a simple promise: it will reduce carbon emissions from transportation fuel used in the state by 10 percent over a decade, starting next year.

As it turns out, even supporters of the underlying law disagree over how the state should calculate that reduction. The standard is supposed to account for the total amount of carbon generated by gas, ethanol, electricity and other fuels across their life cycles, from the field or power plant to the tailpipe.

Fuel importers and producers will likely meet the standards through a combination of cleaner biofuels blended into gas and diesel, as well as carbon reduction credits the state will issue to owners of electric charging stations and other alternative fuel infrastructure.

## California models

The Oregon Department of Environmental Quality pro-

posed rules last month that would follow California's lead to include the impact of new demand for biofuels crops such as corn and soybeans. This factor is known as the indirect land-use change and as recently as January, Department of Environmental Quality staff said existing methodologies were inadequate to calculate it. However, Cory-Ann Wind, an air quality manager for the Department of Environmental Quality who works on implementation of the low-carbon fuels program, said Wednesday that California recently updated the models it uses to calculate the carbon impact of land-use changes, based on extensive peer-reviewed research.

"I feel very comfortable with the work they've done to develop the most recent of their numbers, and that's why we recommended including the California (carbon intensity) values into the Oregon program," Wind said.

The deadline to submit comments on the latest proposed fuel standard rules is 4 p.m. Wednesday. As of Thurs-

day afternoon, no one had submitted comments on the rules.

California used two models to estimate land-use impacts: one is an economic model that calculates the impact of fuel policy on agricultural and other real estate prices, and the other quantifies the amount of carbon emissions that occurs when land is converted to grow biofuel feedstock. The carbon impact occurs when land where carbon was sequestered, such as a forest, is converted to farmland.

Geoff Cooper is senior vice president at the Renewable Fuels Association, a national ethanol industry group with offices in Washington, D.C. and St. Louis. Last month, Cooper told The Oregonian that if Oregon adopts the indirect land-use change model to calculate carbon emissions, the ethanol group will work with the petroleum industry to repeal the low-carbon fuel standard.

"They're saying, 'Well, land we use for soybeans and pasture here is now being used to grow corn for ethanol so a farmer somewhere else in the world now has to convert some

land to make up for that lost soybean pasture here,'" Cooper said. "The real world data is showing that isn't happening."

Wind disagreed and said "satellite data for land use conversion now is great."

The Department of Environmental Quality proposal would attribute a greater carbon impact to corn ethanol compared with existing rules, and Cooper said corn ethanol refineries such as Pacific Ethanol, Inc. in Boardman would face reduced demand from companies that import gas into the state.

"If you look at the ethanol that's used in the state of Oregon today, it's primarily corn-based ethanol produced at a facility there in Boardman, as well as facilities elsewhere in the United States," Cooper said.

## Some prefer federal research

Cooper said if Oregon is going to include the indirect land-use impact, it should rely on modeling by researchers at the

U.S. Department of Energy's Argonne National Laboratory in Illinois, rather than models from California.

Two other groups that pushed for lawmakers to make the low-carbon fuel standard permanent are supportive of the state's proposal to include land-use impacts in carbon values.

"These measures of overall carbon pollution are the result of years of input from numerous businesses, organizations and scientific experts," Oregon Environmental Council communications director Jessica Moskovitz wrote in an email.

Moskovitz said the models the environmental agency plans to use are "the most accurate and honest way to assess the carbon pollution of transportation fuels."

Kristen Sheeran, Oregon director for Climate Solutions, wrote in an email that one reason the group supports the low-carbon fuel standard is the "incentives it provides to grow clean fuels markets in our re-

gion." Climate Solutions is a nonprofit with offices in Oregon and Washington state that promotes renewable energy and other policies to address global warming.

"The Clean Fuels Program is an important part of Oregon's plan to meet its legislated greenhouse gas reduction targets," Sheeran wrote. "The program is designed to reward the cleanest fuels. For this reason, it is important to consider the full life cycle of carbon impacts of fuels in the program."

Wind said the inclusion of the indirect land-use impact is not the only change in the latest proposed rules to implement the fuel standard. The Department of Environmental Quality also wants to update the carbon value for natural gas, because of new research that shows more "fugitive methane" escaping from fracked wells.

The Capital Bureau is a collaboration between EO Media Group and Pamplin Media Group.

## Pink Out to honor breast cancer survivors

The Daily Astorian

Columbia Memorial Hospital is hosting a community Pink Out tonight to honor breast cancer survivors and to remember those who have been lost to the disease.

The event is at 5:30 p.m. at

the Astoria Column, which is turning pink for the month of October. Organizers hope to raise awareness about the importance of early detection in the fight against breast cancer.

A short program is planned, including remarks from CMH cancer care pro-

viders and breast cancer survivors.

CMH offers financial assistance to provide mammograms for women who qualify. To donate, or for assistance, call the Breast Health Program at 503-338-4520.

## ACCUWEATHER® FORECAST FOR ASTORIA

### Astoria 5-Day Forecast

**Tonight**  
A shower early; otherwise, mostly cloudy  
49°

**Tuesday**  
Mostly cloudy  
66° 46°

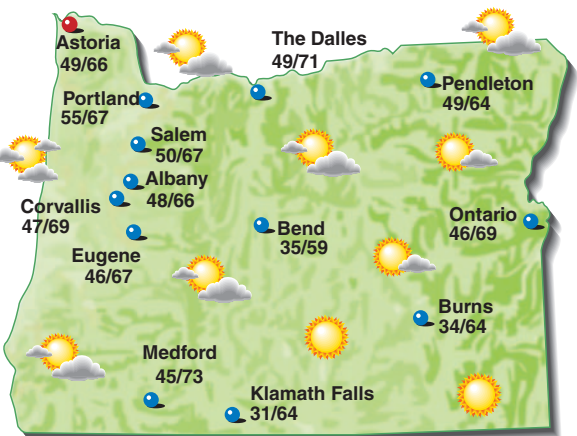
**Thursday**  
Turning cloudy  
63° 44°

Shown is tomorrow's weather. Temperatures are tonight's lows and tomorrow's highs

**Wednesday**  
Intervals of clouds and sunshine  
62° 47°

**Friday**  
Clouds and breaks of sun  
63° 46°

### Oregon Weather



### Almanac

Astoria through Sunday.

Temperatures	
High	62°
Low	56°
Normal high	60°
Normal low	44°
Precipitation	
Yesterday	0.15"
Month to date	1.48"
Normal month to date	2.80"
Year to date	32.72"
Normal year to date	43.04"

### Sun and Moon

Sunset tonight	6:23 p.m.
Sunrise Tuesday	7:39 a.m.
Moonrise today	1:39 p.m.
Moonset today	11:26 p.m.
First	
Oct 20	
Full	
Oct 27	
Last	
Nov 3	
New	
Nov 11	

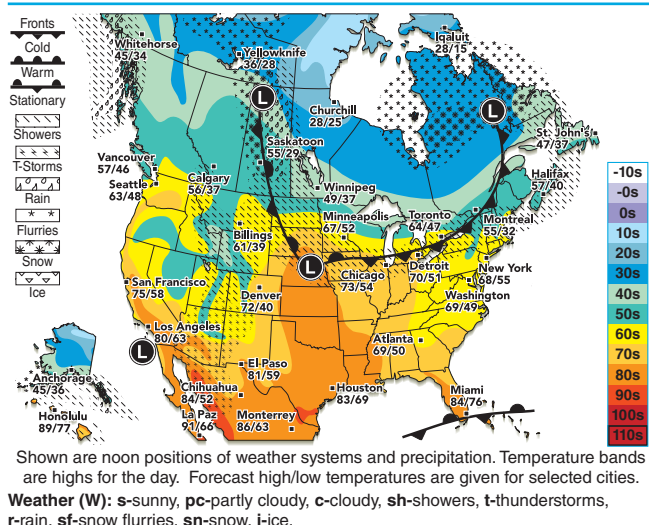
### Regional Cities

City	Today			Tues.		
	Hi	Lo	W	Hi	Lo	W
Baker City	60	38	pc	63	27	s
Bend	59	35	c	59	34	pc
Brookings	61	50	sh	67	51	pc
Eugene	65	46	sh	67	42	pc
Iwaco	61	52	sh	61	50	c
Klamath Falls	59	31	sh	64	28	s
Medford	66	45	sh	73	41	s
Newport	61	49	sh	60	46	c
North Bend	62	51	sh	65	48	pc

### National Cities

City	Today			Tues.		
	Hi	Lo	W	Hi	Lo	W
Atlanta	64	43	s	69	50	s
Boston	48	42	s	64	49	c
Chicago	70	53	s	73	54	pc
Denver	74	46	c	72	40	c
Des Moines	79	58	pc	78	61	sh
Detroit	64	50	c	70	51	c
El Paso	84	60	pc	81	59	c
Fairbanks	37	24	c	38	21	c
Honolulu	89	77	s	89	77	pc
Indianapolis	67	47	s	71	52	pc
Kansas City	76	58	pc	79	61	pc
Las Vegas	75	60	pc	75	61	pc
Los Angeles	76	59	pc	80	63	pc
Memphis	74	50	s	77	56	s
Miami	81	75	t	84	76	pc
Nashville	70	43	s	72	47	pc
New Orleans	75	65	s	81	67	pc
New York	52	47	s	68	55	pc
Oklahoma City	80	58	s	83	61	s
Philadelphia	54	44	s	68	50	pc
St. Louis	75	54	s	77	57	pc
Salt Lake City	66	49	t	63	46	sh
San Francisco	59	58	s	75	58	s
Seattle	60	52	sh	63	48	c
Washington, DC	56	43	s	69	49	s

### Tomorrow's National Weather



### Under the Sky

Tonight's Sky: Antares the Scorpion is quite low in the southwest as twilight fades this evening.

Source: Jim Todd, OMSI

### Tomorrow's Tides

Astoria / Port Docks			
Time	High	Time	Low
7:44 a.m.	6.5 ft.	12:46 a.m.	0.5 ft.
6:46 p.m.	7.5 ft.	1:07 p.m.	3.2 ft.

## OBITUARIES

### Juanita Belle McCoy Gearhart

June 15, 1940 — Oct. 9, 2015

Juanita Belle McCoy, 75, of Gearhart, Oregon, passed away on Friday, Oct. 9, 2015.

She was born on June 15, 1940, in Freewater, Oregon, to the late Leonard Horrell and Opal Case Haskins. Juanita grew up and graduated high school in Seaside, Oregon. She married Gordon "Shorty" McCoy on Oct. 18, 1959. Her husband, Shorty, preceded her in death in 2006.

Juanita and her family traveled often while her husband was enlisted in the Navy, until his retirement in 1977. She was mostly a homemaker, but occasionally worked at Comet's Store in Seaside when her husband was at war, and after he retired. She enjoyed crocheting, and would often give her crafts as gifts or donations.

In 1996, Juanita and her husband officially retired, purchased a fifth wheel, and headed for the open road settling mostly in Arizona, Nevada and California. One of her fondest locations was in Sauvie Island, Oregon, where she and her husband volunteered for the state. After Juanita's husband passed away, she relocated to Gearhart, Oregon,

and became involved in the Seaside American Legion.

Juanita is survived by two children, Kenneth McCoy and his wife, Allison, of Warrenton, Oregon, and Dorinda Daniel and her husband, Rick, of Longview, Washington. She has five grandchildren, Tonya Robinson and her husband, Stuart, of Warrenton, Oregon; Daniel Weaver of Eugene, Oregon; David Weaver of Newport, Oregon; Matthew McCoy and his wife, Stacy, of Gearhart, Oregon; and Devin Nicole Brown, who preceded her in death. She also has five great-grand children, Garrett McCoy, Tanner Robinson, Hannah Robinson and Kaitlynn Robinson.

The funeral will take place at 11 a.m. Wednesday, Oct. 28, 2015 at the Ocean View Cemetery Chapel in Warrenton, Oregon. Family and friends are invited to the residence of Kenneth and Allison McCoy following the service for hors d'oeuvres.

Hughes-Ransom Mortuary is in charge of the arrangements. An online guest book may be signed at www.hughes-ransom.com



Juanita McCoy

## Deaths

### Oct. 13, 2015

SINGH-ANAND, Jeva Eli, 49, of Astoria, died in Astoria. Caldwell's Luce-Lay-

ton Mortuary in Astoria is in charge of the arrangements.

### Oct. 17, 2015

SCHROTT, Frank Joseph,

85, of Seaside, died in Seaside. Ocean View Funeral & Cremation Service in Astoria is in charge of the arrangements.

## Public meetings

### MONDAY

**Clatsop County Wetlands Advisory Committee**, 3 p.m., Judge Guy Boyington Building, 857 Commercial St., Astoria.

**Knappa School Board**, 5:30 p.m., Knappa High School library, 41535 Old U.S. Highway 30.

**Astoria City Council**, 6 p.m., strategic plan work session, 7 p.m., regular meeting, City Hall, 1095 Duane St.

### TUESDAY

**Union Health District**, 8 a.m., Providence Seaside Hospital, Education Room

B, 725 S. Wahanna Road, Seaside.

**Clatsop County Human Services Advisory Council**, 4 to 5:30 p.m., 800 Exchange St., Room 430.

**Northwest Regional Education Service District Board**, 5:30 p.m. dinner, 6 p.m. regular meeting followed by executive session, NWRES, Tillamook Service Center, 2515 Third St., Tillamook.

**Shoreline Sanitary District Board**, 7 p.m., Gearhart Hertig Station, 33496 West Lake Lane, Warrenton.

**Seaside School District**,

6 p.m., 1801 S. Franklin St. **Port of Astoria Commission**, 6 p.m., old Port offices, 422 Gateway Ave.

**Seaside Planning Commission Work Session**, 7 p.m., Seaside City Hall, 989 Broadway.

### WEDNESDAY

**Seaside Tourist Advisory Committee**, 3 p.m., Seaside City Hall, 989 Broadway.

**Sunset Empire Park & Recreation District Board Meeting**, 5:15 p.m., Bob Chisholm Community Center, 1225 Ave. A, Seaside.

## Lotteries

### OREGON

**Sunday's Pick 4:**  
1 p.m.: 7-1-2-9  
4 p.m.: 2-3-4-6  
7 p.m.: 8-7-1-6  
10 p.m.: 1-8-9-9

**Saturday's Megabucks:**  
11-17-18-20-26-28  
Estimated jackpot: \$5.4 million.

**Saturday's Powerball:**  
48-49-57-62-69, Powerball: 19  
Estimated jackpot: \$80 million.

**Saturday's Pick 4:**  
1 p.m.: 4-9-0-4  
4 p.m.: 7-5-8-1  
7 p.m.: 7-0-5-4  
10 p.m.: 2-6-0-3

**Friday's Pick 4:**  
1 p.m.: 4-8-6-2  
4 p.m.: 8-2-3-3  
7 p.m.: 8-0-8-6  
10 p.m.: 8-0-3-7

**WASHINGTON**  
**Sunday's Daily Game:**  
8-9-2

**Sunday's Keno:** 06-07-16-19-21-22-29-30-32-35-36-41-42-50-54-55-62-63-70-75

**Sunday's Match 4:** 08-11-21-22  
**Saturday's Daily Game:** 2-7-2  
**Saturday's Hit 5:** 01-16-25-29-33  
Estimated jackpot: \$400,000

**Saturday's Keno:** 11-20-21-23-25-29-32-41-42-43-46-48-51-59-62-66-67-72-73-75

**Saturday's Lotto:** 03-10-18-28-30-46  
Estimated jackpot: \$5.5 million.

**Saturday's Match 4:** 02-14-15-18  
**Friday's Daily Game:** 6-6-8

**Friday's Keno:** 02-10-13-16-27-35-36-39-43-44-47-48-49-53-56-64-65-66-72-78

**Friday's Match 4:** 09-16-17-20  
**Friday's Mega Millions:** 02-38-48-61-68, Mega Ball: 4  
Estimated jackpot: \$84 million.

## RENAISSANCE HEALTH

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### The Daily Astorian

Established July 1, 1873  
(USPS 035-000)

Published daily, except Saturday and Sunday, by EO Media Group, 949 Exchange St., PO Box 210, Astoria, OR 97103 Telephone 503-325-3211, 800-781-3211 or Fax 503-325-6573. POSTMASTER: Send address changes to The Daily Astorian, PO Box 210, Astoria, OR 97103-0210

www.dailyastorian.com

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26 weeks in advance	\$70.82	26 weeks in advance	\$102.63
52 weeks in advance	\$135.05	52 weeks in advance	\$199.90

Circulation phone number: 503-325-3211  
Periodicals postage paid at Astoria, OR

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