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BEFORE THE STATE OF WASHINGTON
ENERGY FACILITY SITE EVALUATION COUNCIL

In the Matter of Application No. 2009-01
of
WHISTLING RIDGE ENERGY LLC
for
WHISTLING RIDGE ENERGY PROJECT

EXHIBIT NO. 24.00

DECLARATION OF RICHARD F. TILL

DECLARATION OF RICHARD F. TILL

ON BEHALF OF

INTERVENORS FRIENDS OF THE COLUMBIA GORGE
AND SAVE OUR SCENIC AREA

I am the Conservation Legal Advocate for Friends of the Columbia Gorge. The exhibits attached hereto are true and correct copies of the documents described below:

Exhibit No. 24.01. This document is a Geographical Information System (GIS) map of wind speeds in the Whistling Ridge Energy Project (WREP) area and proposed turbine locations. I prepared the map using the program ArcGIS. To create this map I used an existing National Scenic Area GIS map. I downloaded high-resolution, 50-meter-height wind speed data layers from the web site of the National Renewable Energy Laboratory (NREL) and included turbine locations based on GIS data provided by the Applicant.

1 **Exhibit No. 24.02.** This document is an NREL wind speed map titled “*Washington –*
2 *Annual Average Wind Speed at 80m.*” I obtained this document from the Wind Powering
3 America (U.S. Department of Energy program) web site at the following URL:
4 http://www.windpoweringamerica.gov/wind_resource_maps.asp?stateab=wa.

5 **Exhibit No. 24.03.** This document is a table that I prepared showing estimated wind
6 speeds for each turbine site for the Whistling Ridge Energy Project, using the turbine coordinates
7 provided by the Applicant, as well as wind speed data from the AWS Truepower LLC wind
8 mapping program, windNavigator® (<http://navigator.awstruewind.com>). Spatial resolution for
9 the windNavigator data set is at 2 km.

10 **Exhibit No. 24.04.** This document is a screenshot of a map showing wind speeds at the
11 WREP project area and surrounding lands using the windNavigator program.

12 **Exhibit No. 24.05.** This document is a white paper prepared by AWS Truepower LLC
13 titled “*WindNavigator: Methods and Validation (May 2010).*” This document was sent to me as
14 an attachment to an e-mail from Truepower LLC. The document can be accessed at this URL:
15 [https://www.windnavigator.com/cms/index.php?option=com_content&view=category&layout=b](https://www.windnavigator.com/cms/index.php?option=com_content&view=category&layout=blog&id=26&Itemid=60)
16 [log&id=26&Itemid=60](https://www.windnavigator.com/cms/index.php?option=com_content&view=category&layout=blog&id=26&Itemid=60).

17 **Exhibit No. 24.06.** This document is a copy of a NREL web page titled “*Dynamic Maps,*
18 *GIS Data, and Analysis Tools,*” available at the following URL:
19 <http://www.nrel.gov/gis/wind.html>.

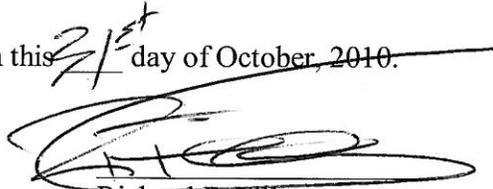
20 **Exhibit No. 24.07.** This document is a copy of a web page from the Wind Powering
21 America web site titled “*Washington Wind Map and Resource Potential,*” available at the
22 following URL: http://www.windpoweringamerica.gov/wind_resource_maps.asp?stateab=wa.

1 **Exhibit No. 24.08.** This document is a copy of a web page from the Wind Powering
2 America web site titled “*New Wind Maps and Wind Potential Estimates for the US,*” available at
3 the following URL: http://www.windpoweringamerica.gov/filter_detail.asp?itemid=2542&print.

4 **Exhibit No. 24.09.** This document is a map depicting wind speeds for the WREP
5 turbines. The underlying map depicting the individual turbine locations was provided by the
6 Applicant. The wind speeds at individual turbine locations were determined using the turbine
7 coordinates provided by the Applicant, as well as wind speed data from the AWS Truepower
8 LLC wind mapping program, windNavigator® (<http://navigator.awstruewind.com>). Spatial
9 resolution for the windNavigator data set is at 2 km.

10 I declare under penalty of perjury that the foregoing is true and correct to the best of my
11 personal knowledge, information, and belief.

12 Executed in Portland, Oregon this 21st day of October, 2010.

13
14 
15 Richard F. Till