

**STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION**  
**DOCKET No. 4111**  
**Deepwater Wind Block Island, LLC**  
**Response To**  
**The Conservation Law Foundation's Data Requests**  
**SET 4 AND 5**

**CLF 25:** Reference is made to the projected annual avoided carbon dioxide emissions anticipated as a result of this project as reflected in the December 9, 2009 Pre-Filed Testimony of David P. Nickerson, at page 8, line 14. If the value of avoided carbon dioxide emissions is pegged at \$80 per ton, what would the value of those avoided emissions be per KWh of electricity produced by this project?

**Response:** Assuming avoided carbon dioxide emissions at the requested \$80/ton, the value of avoided carbon dioxide emissions would be \$38.56/ MWh or 3.856 cents/KWh. ( $\$80/\text{ton} / 2000 \text{ lbs}/\text{ton} \times 964 \text{ lbs}/\text{MWh} = \$38.56/\text{MWh}$ ), where 964 lbs/MWh is the 2008 New England marginal CO2 emission rate, as referenced in Mr. Nickerson's testimony.

**Response by:** David P. Nickerson

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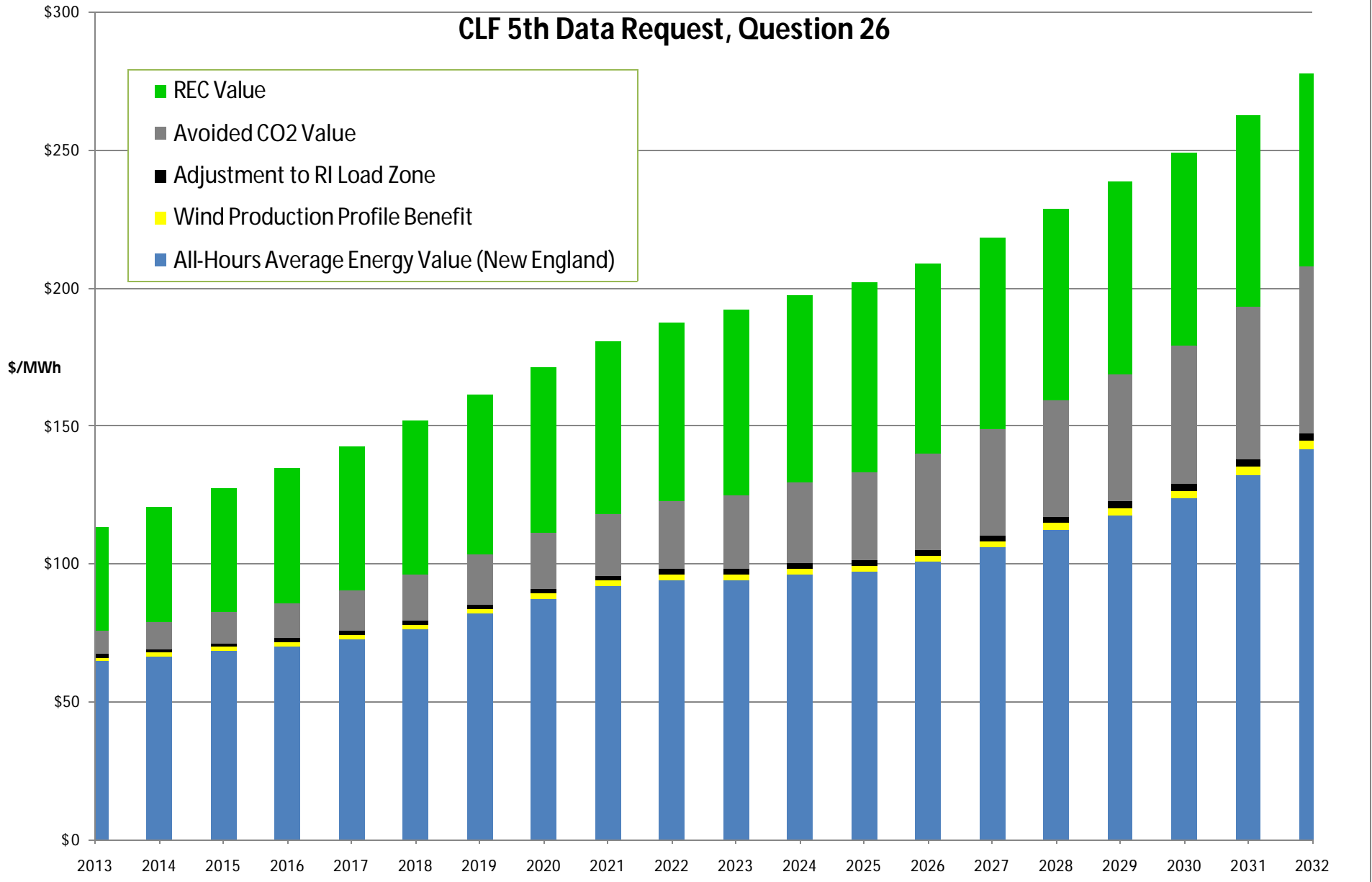
**SET 4 AND 5**

**CLF 26:** Please produce a stacked-column graph representing the progression of the market value in dollars per megawatt-hour of the products delivered over the 20-year life of the PPA utilizing figures and assumptions that appear in your testimony. Include the following 5 factors: REC value, avoided CO<sub>2</sub> value, adjustment to RI load zone, wind production profile benefit, and all-hours average energy value (New England).

**Response:** See Attached

**Response by:** David P. Nickerson

### CLF 5th Data Request, Question 26



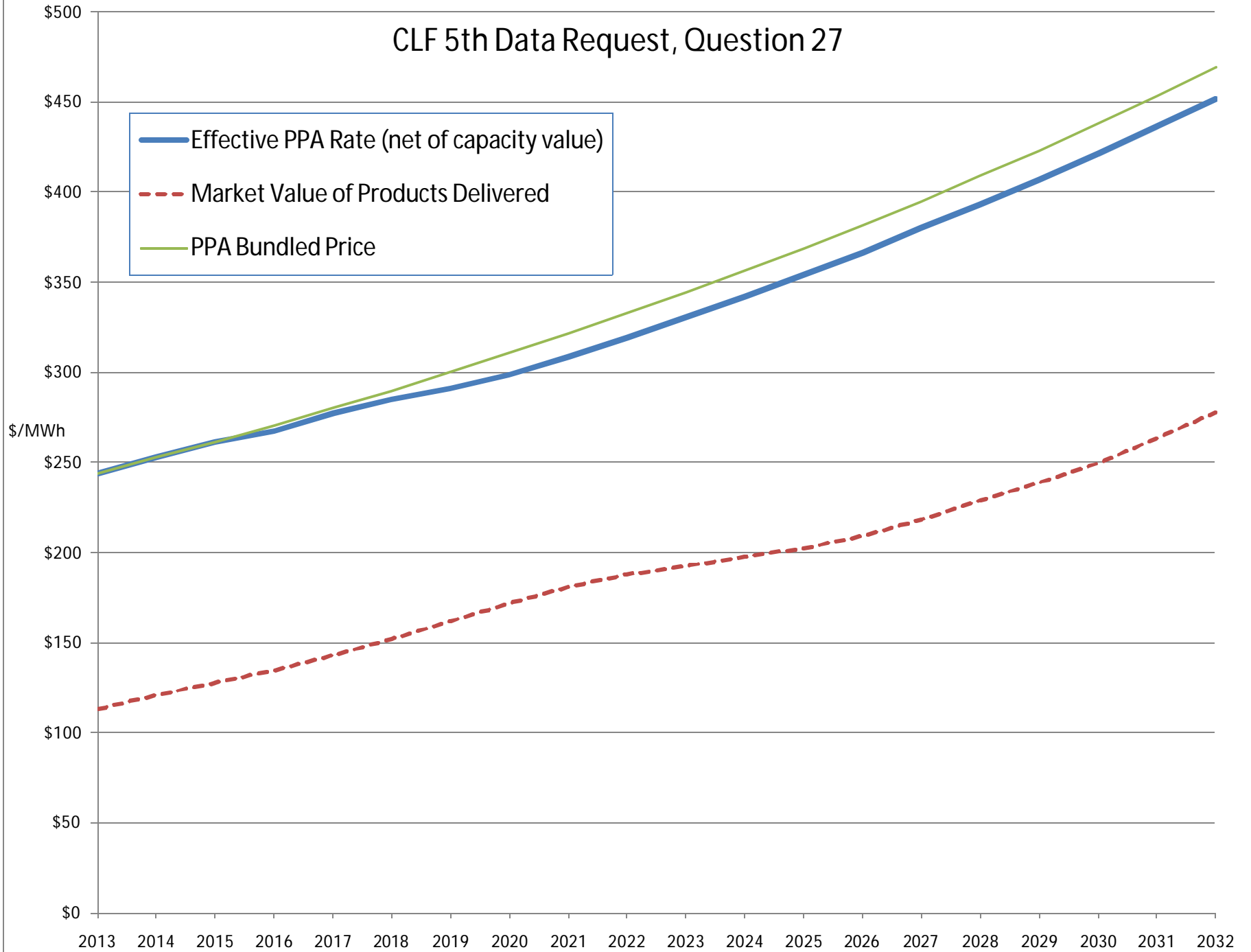
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**CLF 27:** Please plot the results of the stacked column graph produced in response to Request 26 on a line graph, which line graph also includes a line showing the effective PPA price (net of capacity value). The horizontal axis of the line graph should show the years of the life of the PPA; the vertical axis should be dollar per megawatt-hour values.

**Response:** See Attached

**Response by:** David P. Nickerson

# CLF 5th Data Request, Question 27



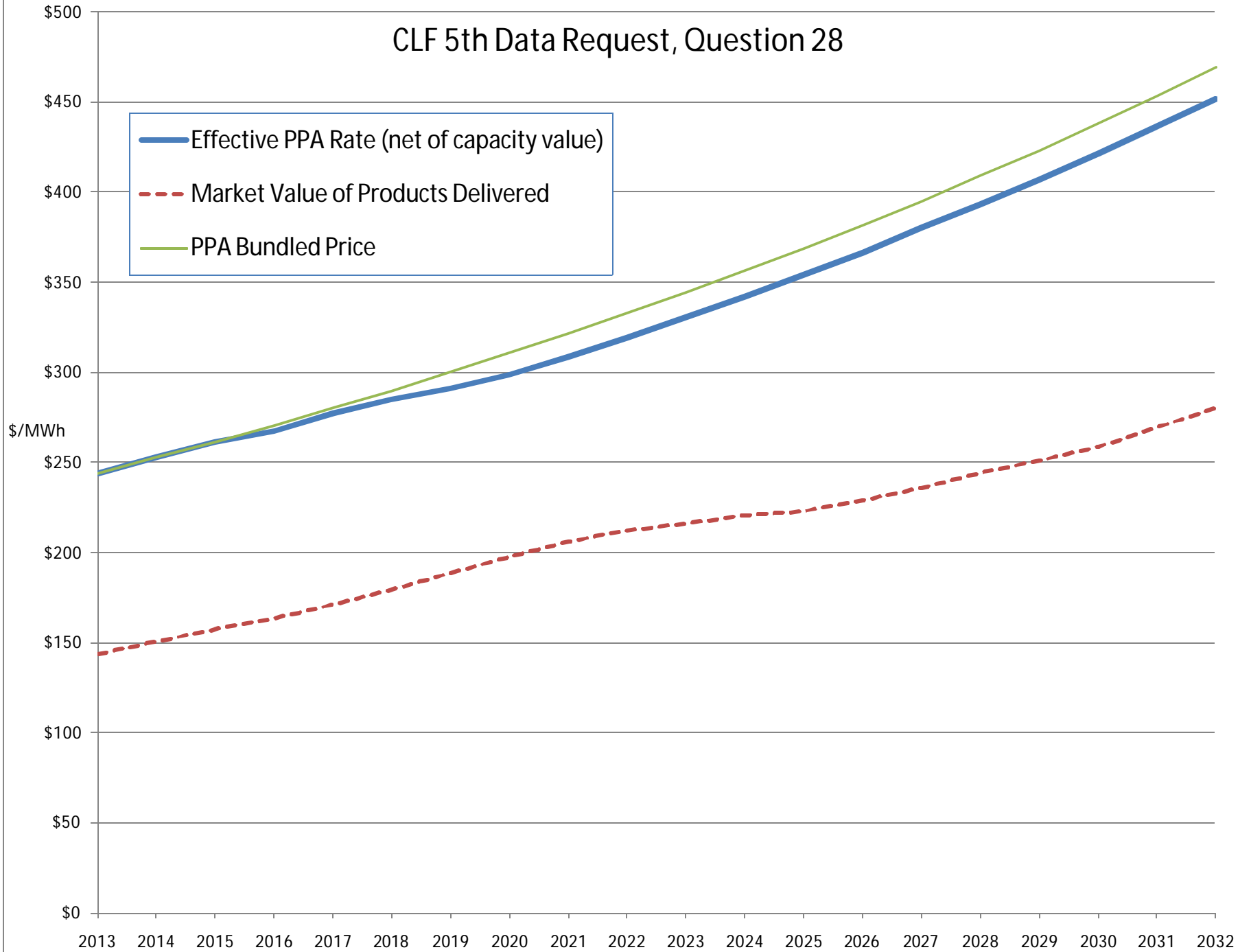
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**CLF 28:** Please add a new line to the line graph produced in response to Request 27 that shows the value of products delivered over the 20-year life of the PPA if the assumed value of carbon were \$80 per ton in 2013, and increased thereafter at the rate of inflation you have assumed in your other calculations.

**Response:** See Attached

**Response by:** David P. Nickerson

# CLF 5th Data Request, Question 28



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**CERTIFICATION**

I hereby certify that on March 8, 2010, I sent a copy of the within to all parties set forth on the attached Service List by electronic mail and copies to Luly Massaro, Commission Clerk, by electronic mail and regular mail.

<b>Name/Address</b>	<b>E-mail Distribution</b>	<b>Phone/FAX</b>
Thomas R. Teehan, Esq. National Grid. 280 Melrose St. Providence, RI 02907	<a href="mailto:Thomas.teehan@us.ngrid.com">Thomas.teehan@us.ngrid.com</a>	401-784-7667 401-784-4321
	<a href="mailto:Joanne.scanlon@us.ngrid.com">Joanne.scanlon@us.ngrid.com</a>	
Ronald T. Gerwatowski, Esq. National Grid 40 Sylvan Rd. Waltham, MA 02451	<a href="mailto:Ronald.gerwatowski@us.ngrid.com">Ronald.gerwatowski@us.ngrid.com</a>	
	<a href="mailto:Celia.obrien@us.ngrid.com">Celia.obrien@us.ngrid.com</a>	
	<a href="mailto:Jennifer.brooks@us.ngrid.com">Jennifer.brooks@us.ngrid.com</a>	
Joseph A. Keough, Jr., Esq. Keough & Sweeney 100 Armistice Blvd. Pawtucket, RI 02860	<a href="mailto:jkeoughjr@keoughsweeney.com">jkeoughjr@keoughsweeney.com</a>	401-724-0600
Alan Mandl, Esq. Smith & Duggan LLP Lincoln North 55 Old Bedford Road Lincoln, MA 01773	<a href="mailto:amandl@smithduggan.com">amandl@smithduggan.com</a>	617-228-4464 781-259-1112
Jerry Elmer, Esq. Conservation Law Foundation 55 Dorrance Street Providence, RI 02903	<a href="mailto:Jelmer@clf.org">Jelmer@clf.org</a>	401-351-1102 401-351-1130
Katherine A. Merolla, Esq., Merolla & Accetturo 469 Centerville Road Suite 206 Warwick, RI 02886	<a href="mailto:KAMLAW2344@aol.com">KAMLAW2344@aol.com</a>	401-739-2900 401-739-2906
Richard A. Sinapi, Esq. Sinapi Formisano & Company, Ltd. 100 Midway Place, Suite 1 Cranston, RI 02920-5707	<a href="mailto:dicks@sfclaw.com">dicks@sfclaw.com</a>	401-944-9690 401-943-9040
Alan Shoer, Esq. Adler Pollock & Sheehan One Citizens Plaza, 8 <sup>th</sup> Floor Providence, RI 02903-1345	<a href="mailto:Ashoer@apslaw.com">Ashoer@apslaw.com</a>	401-274-7200 401-751-0604



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Leo Wold, Esq. Dept. of Attorney General 150 South Main St. Providence, RI 02903	<a href="mailto:lwold@riag.ri.gov">lwold@riag.ri.gov</a>	401-222-2424
	<a href="mailto:Steve.scialabba@ripuc.state.ri.us">Steve.scialabba@ripuc.state.ri.us</a>	401-222-3016
	<a href="mailto:Al.contente@ripuc.state.ri.us">Al.contente@ripuc.state.ri.us</a>	
Jon Hagopian, Esq. Dept. of Attorney General 150 South Main St. Providence, RI 02903	<a href="mailto:jhagopian@riag.ri.gov">jhagopian@riag.ri.gov</a>	
	<a href="mailto:Dmacrae@riag.ri.gov">Dmacrae@riag.ri.gov</a>	
	<a href="mailto:Mtobin@riag.ri.gov">Mtobin@riag.ri.gov</a>	
Paul Rich, Deepwater Wind	<a href="mailto:Prich@dwwind.com">Prich@dwwind.com</a>	401-648-0604
Bill Moore, Deepwater Wind	<a href="mailto:Wmoore@dwwind.com">Wmoore@dwwind.com</a>	401-648-0604
Susan Demacedo, Deepwater Wind	<a href="mailto:susan@dwwind.com">susan@dwwind.com</a>	401-648-0606
David Schwartz	<a href="mailto:dschwartz@dwwind.com">dschwartz@dwwind.com</a>	
Richard LaCapra, LaCapra Associates	<a href="mailto:Rlacapra@lacapra.com">Rlacapra@lacapra.com</a>	212-675-8123
Richard Hahn Mary Neal Lacapra Associates 1 Washington Mall, 9th floor Boston, MA 02108	<a href="mailto:rhahn@lacapra.com">rhahn@lacapra.com</a>	
	<a href="mailto:mneal@lacapra.com">mneal@lacapra.com</a>	
<b>Original &amp; nine (9) copies w/:</b> Luly E. Massaro, Commission Clerk Public Utilities Commission 89 Jefferson Blvd. Warwick RI 02889	<a href="mailto:Lmassaro@puc.state.ri.us">Lmassaro@puc.state.ri.us</a>	401-780-2017
	<a href="mailto:Cwilson@puc.state.ri.us">Cwilson@puc.state.ri.us</a>	401-941-1691
	<a href="mailto:Nucci@puc.state.ri.us">Nucci@puc.state.ri.us</a>	
	<a href="mailto:Anault@puc.state.ri.us">Anault@puc.state.ri.us</a>	
	<a href="mailto:Sccamara@puc.state.ri.us">Sccamara@puc.state.ri.us</a>	
Matt Auten, Office of Lt. Governor	<a href="mailto:mauten@ltgov.state.ri.us">mauten@ltgov.state.ri.us</a>	
Julian Dash, RIEDC	<a href="mailto:jdash@riedc.com">jdash@riedc.com</a>	
Rep. Ehrhardt	<a href="mailto:rep-ehrhardt@rilin.state.ri.us">rep-ehrhardt@rilin.state.ri.us</a>	

/s/

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Joseph A. Keough, Jr., Esquire # 4925  
KEOUGH & SWEENEY, LTD.  
100 Armistice Boulevard  
Pawtucket, RI 02860  
(401) 724-3600