

Dachs, Alex

From: Wiley Barker <wbarker@crowleyfleck.com>
Sent: Friday, October 28, 2016 4:20 PM
To: Dachs, Alex; Conell, Susan
Cc: Amy Berg Pickett (bergpickett@ccrenew.com)
Subject: RE: Fox Solar, LLC and Portage Solar, LLC - Articles Cited in the Technical Memoranda

Alex,

I just realized I put Adam in these emails. I apologize profusely. I will have to blame that on it being Friday at 4pm.

Have a great weekend.

Thanks,

Wiley Barker

Crowley Fleck PLLP
DIRECT DIAL: 406-457-2039

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From: Wiley Barker
Sent: Friday, October 28, 2016 4:16 PM
To: 'adachs@casadecountymt.gov' <adachs@casadecountymt.gov>; 'Conell, Susan' <sconell@casadecountymt.gov>
Cc: Amy Berg Pickett (bergpickett@ccrenew.com) <bergpickett@ccrenew.com>
Subject: Fox Solar, LLC and Portage Solar, LLC - Articles Cited in the Technical Memoranda

Adam and Susan,

For the record and for your review, I also wanted to make sure you had access to the articles and authorities cited in the technical memo we submitted for both projects (Fox Solar and Portage Solar). These are the same references submitted previously:

Electric Power Research Institute and California Energy Commission. (2003). *Potential health and environmental impacts associated with the manufacture and use of photovoltaic cells*. Sacramento, CA: <http://www.energy.ca.gov/reports/500-04-053.PDF>

Massachusetts Clean Energy Center. (2012). *Study of acoustic and EMF levels from solar photovoltaic projects*. Boston, MA: <http://files.masscec.com/research/StudyAcousticEMFLevelsSolarPhotovoltaicProjects.pdf>

Riley, E. & Olson, S. (2011). *A study of hazardous glare potential to aviators from utility-scale flat-plate photovoltaic systems*. ISRN Renewable Energy, 2011: <http://www.hindawi.com/journals/isrn/2011/651857/>

National Renewable Energy Laboratory. (2013). *Overview of opportunities for co-location of solar energy technologies and vegetation* (Report No. DE-AC36-08GO28308). Golden, CO: <http://www.nrel.gov/docs/fy14osti/60240.pdf>

Turney, D. & Fthenakis, V. (2011). *Environmental impacts from the installation and operation of large-scale power plants*. Renewable and Sustainable Energy Review, 15, 3261-3270: https://www.bnl.gov/pv/files/pdf/229_RSER_WildLife_2011.pdf

National Rural Electric Cooperative Association. (2015). *Cooperative utility PV manual*:
Volume I: <http://www.nreca.coop/wp-content/uploads/2015/02/NRECA-Cooperative-Utility-Field-Manual-Volume-I-Final.pdf>
Volume II: <http://www.nreca.coop/wp-content/uploads/2015/02/NRECA-Cooperative-Utility-PV-Field-Manual-Vol-II-Final.pdf>
Volume III: <http://www.nreca.coop/wp-content/uploads/2015/02/NRECA-Cooperative-Utility-PV-Field-Manual-Volume-III-Final.pdf>. This version has been updated as of February 2016.

Jeff Court. (2014). *Photovoltaic solar safety management for utilities*. Incident Prevention Magazine, November 2014, available at <http://incident-prevention.com/ip-articles/safety-management/photovoltaic-solar-safety-management-for-utilities>

National Fire Prevention Agency. (2015). *National electric code* (pp. 690.1-91, 370.1-120, 376.1-120, 408.1-58, 450.1-48, 480, 490.1-74, 705.1-135, 728, 750). Quincy, MA: National Fire Prevention Agency: <http://www.nfpa.org/codes-and-standards/all-codes-and-standards/list-of-codes-and-standards?mode=code&code=70&tab=about>. We have provided the online 2014 version, in case you are unable to access this code.

Have a great weekend,

Wiley Barker

CROWLEY FLECK PLLP
900 N. Last Chance Gulch, Suite 200
Helena, MT 59601
voice 406-457-2039 fax 406-449-5149
wbarker@crowleyfleck.com

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Dachs, Alex

From: Wiley Barker <wbarker@crowleyfleck.com>
Sent: Friday, October 28, 2016 4:16 PM
To: Dachs, Alex; Conell, Susan
Cc: Amy Berg Pickett (bergpickett@ccrenew.com)
Subject: Fox Solar, LLC and Portage Solar, LLC - Articles Cited in the Technical Memoranda

Adam and Susan,

For the record and for your review, I also wanted to make sure you had access to the articles and authorities cited in the technical memo we submitted for both projects (Fox Solar and Portage Solar). These are the same references submitted previously:

Electric Power Research Institute and California Energy Commission. (2003). *Potential health and environmental impacts associated with the manufacture and use of photovoltaic cells*. Sacramento, CA: <http://www.energy.ca.gov/reports/500-04-053.PDF>

Massachusetts Clean Energy Center. (2012). *Study of acoustic and EMF levels from solar photovoltaic projects*. Boston, MA: <http://files.masscec.com/research/StudyAcousticEMFLevelsSolarPhotovoltaicProjects.pdf>

Riley, E. & Olson, S. (2011). *A study of hazardous glare potential to aviators from utility-scale flat-plate photovoltaic systems*. ISRN Renewable Energy, 2011: <http://www.hindawi.com/journals/isrn/2011/651857/>

National Renewable Energy Laboratory. (2013). *Overview of opportunities for co-location of solar energy technologies and vegetation* (Report No. DE-AC36-08GO28308). Golden, CO: <http://www.nrel.gov/docs/fy14osti/60240.pdf>

Turney, D. & Fthenakis, V. (2011). *Environmental impacts from the installation and operation of large-scale power plants*. Renewable and Sustainable Energy Review, 15, 3261-3270: https://www.bnl.gov/pv/files/pdf/229_RSER_WildLife_2011.pdf

National Rural Electric Cooperative Association. (2015). *Cooperative utility PV manual*:

Volume I: <http://www.nreca.coop/wp-content/uploads/2015/02/NRECA-Cooperative-Utility-Field-Manual-Volume-I-Final.pdf>

Volume II: <http://www.nreca.coop/wp-content/uploads/2015/02/NRECA-Cooperative-Utility-PV-Field-Manual-Vol-II-Final.pdf>

Volume III: <http://www.nreca.coop/wp-content/uploads/2015/02/NRECA-Cooperative-Utility-PV-Field-Manual-Volume-III-Final.pdf>. This version has been updated as of February 2016.

Jeff Court. (2014). *Photovoltaic solar safety management for utilities*. Incident Prevention Magazine, November 2014, available at <http://incident-prevention.com/ip-articles/safety-management/photovoltaic-solar-safety-management-for-utilities>

National Fire Prevention Agency. (2015). *National electric code* (pp. 690.1-91, 370.1-120, 376.1-120, 408.1-58, 450.1-48, 480, 490.1-74, 705.1-135, 728, 750). Quincy, MA: National Fire Prevention Agency: <http://www.nfpa.org/codes-and-standards/all-codes-and-standards/list-of-codes-and->

[standards?mode=code&code=70&tab=about](#). We have provided the online 2014 version, in case you are unable to access this code.

Have a great weekend,

Wiley Barker

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Dachs, Alex

From: Wiley Barker <wbarker@crowleyfleck.com>
Sent: Friday, October 28, 2016 4:11 PM
To: Dachs, Alex; Conell, Susan
Cc: Amy Berg Pickett (bergpickett@ccrenew.com)
Subject: Fox Solar, LLC - Additional Documents
Attachments: Attachments.html

Adam and Susan,

Attached via the secure ShareFile link below are the additional documents for Fox Solar, LLC. Please let us know if you have any questions.

ShareFile Attachments	Expires November 28, 2016
Fox Solar - Letter re Additional Letter,...-16.pdf	75 KB
Tab 15 - Letter from Tim Moore, MA...016.PDF	157 KB
Tab 16 - Fox Solar Landscape Plan.pdf	4 MB
Tab 17 - Fox Solar Landscape Renderin... 5).pdf	425 KB

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Thanks,

Wiley Barker

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Dachs, Alex

From: Wiley Barker <wbarker@crowleyfleck.com>
Sent: Friday, October 28, 2016 4:09 PM
To: Dachs, Alex; Conell, Susan
Cc: Amy Berg Pickett (bergpickett@ccrenew.com)
Subject: Portage Solar, LLC - Additional Documents
Attachments: Attachments.html

Adam and Susan,

Attached via the secure ShareFile link below are the additional documents from Portage Solar, LLC. Thank you for your work on this matter. Please let us know if you have any questions.

ShareFile Attachments	Expires November 28, 2016
Portage Solar - Letter re Additional Le...-16.pdf	74.8 KB
Tab 16 - Letter from Tim Moore, MA...016.PDF	165.5 KB
Tab 17 - Portage Solar Landscape Plan.pdf	343.7 KB
Tab 18 - Portage Landscaping Renderi... 1).pdf	785.1 KB

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Thanks,

Wiley Barker

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Dachs, Alex

From: Wiley Barker <wbarker@crowleyfleck.com>
Sent: Sunday, October 23, 2016 11:24 PM
To: Dachs, Alex; Conell, Susan
Cc: Amy Berg Pickett (bergpickett@ccrenew.com); Mike Green
Subject: Fox Solar, LLC - Fully Executed UUP Application (Tab 1)
Attachments: Tab 1 - Cascade County UUP Application Completed by Fox Solar (Fully Executed).pdf

Alex and Susan,

For the Fox Solar, LLC application, please replace Tab 1 with this fully executed application.

Thank you,

Wiley Barker

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wbarker@crowleyfleck.com

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Dachs, Alex

From: Wiley Barker <wbarker@crowleyfleck.com>
Sent: Friday, October 21, 2016 4:51 PM
To: Dachs, Alex; Conell, Susan
Cc: Amy Berg Pickett (bergpickett@ccrenew.com); Mike Green
Subject: Fox Solar, LLC Submission Materials
Attachments: Attachments.html

Alex and Susan,

The Fox Solar, LLC UUP Application Materials are available through the secure ShareFile links below. Please refer to the included cover letter. Thank you.

ShareFile Attachments

Expires November 21, 2016

Cover Letter re Submission to Casca...BOA.pdf	140.1 KB
Tab 01 - Cascade County UUP Applica...lar.PDF	1.4 MB
Tab 02- Fox Solar Site Plan.PDF	1.5 MB
Tab 03- Stormwater Erosion and Sedi...lan.PDF	453 KB
Tab 04- Technical Memo and Equipme...ils.PDF	214.1 KB
Tab 05 - Fox Solar Impact Study by Ki...016.PDF	1.8 MB
Tab 06 - Moore Appraisals Inc. Lette...016.PDF	163.2 KB
Tab 07 - Real Property Consultants re...ed).PDF	1.8 MB
Tab 08 - Determination of No Hazard...016.PDF	1.9 MB
Tab 09 - Decomissioning Memorandu...ts).PDF	282.5 KB
Tab 10 - Photos of Proposed Site.PDF	5.2 MB

Tab 11 - Green Meadow Solar Projec...ate.PDF	381.3 KB
Tab 12 - Custom Soil Resource Repor...ana.PDF	1.5 MB
Tab 13 - Soil Map for Cascade Count...ana.PDF	559.5 KB
Tab 14 - Tax Revenues Summary Provi...ity.PDF	79.5 KB

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Wiley Barker

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Dachs, Alex

From: Wiley Barker <wbarker@crowleyfleck.com>
Sent: Friday, October 21, 2016 5:06 PM
To: Dachs, Alex; Conell, Susan
Cc: Amy Berg Pickett (bergpickett@ccrenew.com); Mike Green
Subject: Portage Solar, LLC Submission Materials
Attachments: Attachments.html

Alex and Susan,

The Portage Solar, LLC UUP Application materials are available through the secure ShareFile links below. Please refer to the included cover letter. Thank you.

ShareFile Attachments

Expires November 21, 2016

Portage Solar, LLC - Cover Letter re S...BOA.pdf	137.8 KB
Tab 01 - Cascade County UUP Applica...lar.PDF	13.4 MB
Tab 02 - Portage Solar Site Plan.PDF	667.6 KB
Tab 03 - Stormwater Erosion and Sed...lan.PDF	469.3 KB
Tab 04 - Technical Memorandum with...ils.PDF	465.8 KB
Tab 05 - Portage Solar Impact Study ...016.PDF	1.8 MB
Tab 06 - Moore Appraisals Inc. Lette...016.PDF	163.2 KB
Tab 07 - Real Property Consultants re...ed).PDF	1.8 MB
Tab 08 - Determination of No Hazard...016.PDF	2 MB
Tab 09 - Decomissioning Memorandu...ts).PDF	283.3 KB
Tab 10 - Photos of Proposed Site.PDF	2.7 MB

Tab 11 - Green Meadow Solar Projec...ate.PDF	381.3 KB
Tab 12 - Custom Soil Resource Repor...ana.PDF	1.5 MB
Tab 13 - Soil Map for Cascade Count...ana.PDF	411.9 KB
Tab 14 - Tax Revenues Summary Provi...ity.PDF	79.5 KB
Tab 15 - PRC - Portage Solar Resoluti...016.PDF	447 KB

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Wiley Barker

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