

Effects of Large-Scale Penetration of Electric Vehicles on the  
Distribution Network and Mitigation by Demand Side  
Management

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Thesis submitted to the faculty of the Virginia Polytechnic Institute and State University  
in partial fulfillment of the requirements for the degree of

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In  
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# Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Stacey Oriaifo

Description of item under review for fair use: Table 1: 2008 World Energy Use per Sector.  
Source: J. Goldemberg, Energy, What Everyone Needs to Know, New York: Oxford University Press, Inc., 2012.

Report generated on: 07-22-2014 at : 12:03:49

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use

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Name: Stacey Oriaifo

Description of item under review for fair use: Table 2: Maryland Distribution Voltage Limits.  
Source: "COMAR 20.50.07.02 Voltage Limits. Maryland Public Service Commission," [Online].  
Available: <http://www.dsd.state.md.us/comar/comar.aspx>. [Accessed 10 January 2014].

Report generated on: 07-22-2014 at : 12:13:34

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

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Name: Stacey Oriaifo

Description of item under review for fair use: Figure 2: Maximum permissible top-oil temperature for overload conditions for transformers with 55°C average winding rise. Source: "Permissible Loading of Oil-Immersed Transformers and Regulators," Facilities Engineering Branch, United States Department of the Interior Bureau of Reclamation, Denver, 2000.

Report generated on: 07-22-2014 at : 12:56:52

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

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Name: Stacey Oriaifo

Description of item under review for fair use: Figure 3: Maximum permissible top-oil temperature for overload conditions for transformers with 65°C average winding rise [26]. Source: "Permissible Loading of Oil-Immersed Transformers and Regulators," Facilities Engineering Branch, United States Department of the Interior Bureau of Reclamation, Denver, 2000.

Report generated on: 07-22-2014 at : 12:58:07

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

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Name: Stacey Oriaifo

Description of item under review for fair use: Figure 4: Single-Phase Pole-mount Distribution Transformer. Sources: "Transformers," [Online]. Available: <http://en.wikipedia.org/wiki/Transformer>. [Accessed 19 February 2014]. "Inside an electric distribution transformer," [Online]. Available: <http://waterheatertimer.org/See-inside-main-breaker-box.html>. [Accessed 9 April 2014].

Report generated on: 07-22-2014 at : 13:02:53

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

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Name: Stacey Oriaifo

Description of item under review for fair use: Figure 5: Single-Phase Pad-mount Distribution Transformer. Source: "Central Moloney Inc. - Transformers," [Online]. Available: [http://www.centralmoloneyinc.com/transformers/single\\_phase\\_pad\\_mount.aspx](http://www.centralmoloneyinc.com/transformers/single_phase_pad_mount.aspx). [Accessed 9 April 2014].

Report generated on: 07-22-2014 at : 12:39:55

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

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Name: Stacey Oriaifo

Description of item under review for fair use: Figure 6: Parts of a single-phase pad-mount distribution transformer. Source: "Single-Phase Pad-mount Distribution Transformer," Cooper Power Systems, 2005.

Report generated on: 07-22-2014 at : 12:41:40

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

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Name: Stacey Oriaifo

Description of item under review for fair use: Figure 7: Simplified Diagram of a U.S. AC Electric System. Source: "Final Report on the August 14, 2003 Blackout in the United States and Canada," United States Department of Energy, 2004.

Report generated on: 07-22-2014 at : 12:44:54

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

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Description of item under review for fair use: Table 3: BGE Current Residential Market-Priced Service Rate Components, 2014. Source: "Standard Offer Service, Electric Retail," Baltimore Gas & Electric Company, Baltimore, 2014.

Report generated on: 07-22-2014 at : 12:47:20

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

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Name: Stacey Oriaifo

Description of item under review for fair use: Table 4: Home Electric Outlets. Source: "Tesla Motors - Electric Vehicle Charging," [Online]. Available: <http://www.teslamotors.com/charging#/outlet>. [Accessed 5 April 2014].

Report generated on: 07-22-2014 at : 12:49:12

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

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Factor 4

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