

## 2014 Manufacturing Energy and Carbon Footprints: References

- Actel Corporation. 2009. "Motor Efficiency Depends Upon Power Factor." [http://www.actel.com/documents/Motor\\_PowerFactor\\_WP.pdf](http://www.actel.com/documents/Motor_PowerFactor_WP.pdf).
- Ahmed, Ludna. 2011. "Chlor-Alkali Industries: Caustic soda, Chlorine, Soda Ash." <http://teacher.buet.ac.bd/lubna/coursecontent/Caustic%20soda%20ChE%20308.pdf>.
- Almeida, A., Chretien, B., Falkner, H., Reichert. 2000. "VSDs for Electric Motors Systems." [http://67.207.149.58www.waterygymex.org/Wateryg%20Toolkit/resources/54\\_VSDs\\_Save\\_Energy.pdf](http://67.207.149.58www.waterygymex.org/Wateryg%20Toolkit/resources/54_VSDs_Save_Energy.pdf).
- American Council for an Energy-Efficient Economy. 2012. Replacing your Water Heater. <https://smarterhouse.org/water-heating/replacing-your-water-heater>.
- American Iron and Steel Institute. 2015. "2014 AISI Annual Statistical Report."
- Bell Jr., Arthur A, and W. Larsen Angel. 2015. HVAC Equations, Data, and Rules of Thumb. 3rd. New York: McGraw-Hill.
- Brueske, Sabine, Ridah Sabouni, Chris Zach, and Howard Andres. 2012. "U.S. Manufacturing Energy Use and Greenhouse Gas Emissions Analysis." Prepared for Oak Ridge National Laboratory. November. [https://www.energy.gov/sites/prod/files/2013/11/f4/energy\\_use\\_and\\_loss\\_and\\_emissions.pdf](https://www.energy.gov/sites/prod/files/2013/11/f4/energy_use_and_loss_and_emissions.pdf).
- Clarke Energy. n.d. "Steel Production Gases." <https://www.clarke-energy.com/wp-content/uploads/Steel-Production-Gases1.pdf>.
- Clayton, Ted. n.d. "Practical Perspectives on Optimizing Steam System Efficiency." Kaman Industrial Technologies. [https://ec.kamandirect.com/content/downloads/homepage/kaman\\_steam\\_whitepaper.pdf](https://ec.kamandirect.com/content/downloads/homepage/kaman_steam_whitepaper.pdf).
- Dosa, Ion, and Dan C Petrilean. 2013. "Efficiency Assessment of Condensing Steam Turbine." Proceedings of the 11th International Conference on Environment, Ecosystems and Development (EED '13). Brasov, Romania. 203-208. [https://www.researchgate.net/publication/285768077\\_Efficiency\\_Assessment\\_of\\_Condensing\\_Steam\\_Turbine](https://www.researchgate.net/publication/285768077_Efficiency_Assessment_of_Condensing_Steam_Turbine).
- Han, J., Dutta, S., and Ekkad, S. 2012. Gas Turbine Heat Transfer and Cooling Technology, Second Edition.
- Hydraulic Institute, Europump, & U.S. Department of Energy, Office of Industrial Technologies. 2001. "Pump Life Cycle Costs: A Guide to LCC Analysis for Pumping Systems." January. [https://www.energy.gov/sites/prod/files/2014/05/f16/pumplcc\\_1001.pdf](https://www.energy.gov/sites/prod/files/2014/05/f16/pumplcc_1001.pdf).
- Intergovernmental Panel on Climate Change. 2007. "Climate Change 2007: The Physical Science Basis: Chapter 2." Accessed January 17, 2018. [www.ipcc.ch/publications\\_and\\_data/ar4/wg1/en/ch2s2-10-2.html](http://www.ipcc.ch/publications_and_data/ar4/wg1/en/ch2s2-10-2.html).
- International Finance Corporation. 2017. "Increasing the Use of Alternative Fuels at Cement Plants: International Best Practice." <https://openknowledge.worldbank.org/handle/10986/28134>.

- Kamen Industrial Technologies. 2013. "Practical Perspectives on Optimizing Steam System Efficiency." [https://ec.kamandirect.com/content/downloads/homepage/kaman\\_steam\\_whitepaper.pdf](https://ec.kamandirect.com/content/downloads/homepage/kaman_steam_whitepaper.pdf).
- Kaya, Durmus, E. A Yagmur, Kadri Suleyman Yigit, Canka Kilic Fatma, A. Salih Eren, and Cenk Celik. 2008. "Energy efficiency in pumps." *Energy Conversion and Management* 49 (2008): 1662-1673. doi:10.1016/j.enconman.2007.11.010.
- Kramer, Klass Jan, Eric Masanet, Tengfang Xu, and Ernst Worrell. 2009. "Energy Efficiency Improvement and Cost Saving Opportunities for the Pulp and Paper Industry: An ENERGY STAR Guide for Energy and Plant Managers." [https://www.energystar.gov/ia/business/industry/downloads/Pulp\\_and\\_Paper\\_Energy\\_Guide.pdf](https://www.energystar.gov/ia/business/industry/downloads/Pulp_and_Paper_Energy_Guide.pdf).
- Lawrence Berkeley National Laboratory and Resource Dynamics Corporation for U.S. Department of Energy. 2003. "Improving Fan System Performance: A Sourcebook for Industry." [https://www.energy.gov/sites/prod/files/2014/05/f16/fan\\_sourcebook.pdf](https://www.energy.gov/sites/prod/files/2014/05/f16/fan_sourcebook.pdf).
- Lonnie Love J., Eric Lanke, and Pete Alles. 2012. "Estimating the Impact (Energy, Emissions and Economics) of the U.S. Fluid Power Industry." <http://info.ornl.gov/sites/publications/files/Pub28014.pdf>.
- McMillan, Coli, Richard Boardman, Michael McKellar, Piyush Sabharwall, Mark Ruth, and Shannon Bragg-Sitton. 2016. "Generation and Use of Thermal Energy in the U.S. Industrial Sector and Opportunities to Reduce its Carbon Emissions." <https://www.nrel.gov/docs/fy17osti/66763.pdf>.
- Mitsubishi Heavy Industries. 2010. Gas Turbine Combined Cycle (GTCC) & Integrated Coal Gasification Combined Cycle (IGCC). March 31. [https://www.mhi.com/products/energy/thermal\\_power\\_plant\\_list.html](https://www.mhi.com/products/energy/thermal_power_plant_list.html).
- Propane Education & Research Council. 2009. "Propane Reduces Greenhouse Gas Emissions: A Comparative Analysis." Prepared by Energetics Incorporated. [https://www.propanecouncil.org/uploadedFiles/REP\\_15964%20Propane%20Reduces%20GHG%20Emissions%202009.pdf](https://www.propanecouncil.org/uploadedFiles/REP_15964%20Propane%20Reduces%20GHG%20Emissions%202009.pdf).
- Ruggero Golini, Marcy Lowe, and Gary Gereffi. 2010. "U.S. Adoption of High-Efficiency Motors and Drives: Lessons Learned." <https://gvcc.duke.edu/cggclisting/u-s-adoption-of-high-efficiency-motors-and-drives-lessons-learned/>.
- Saidur, R., N. A Rahim, and M. Hasanussaman. 2010. "A review on compressed-air energy use and energy savings." *Renewable and Sustainable Energy Reviews* 14 (2010): 1135-1153. doi:10.1016/j.rser.2009.11.013.
- Sustainability Victoria. 2009. "Energy Efficiency Best Practice Guide Industrial Refrigeration." <http://www.sustainability.vic.gov.au/~media/resources/documents/services%20and%20advice/business/srsb%20em/resources%20and%20tools/srsb%20em%20best%20practice%20guide%20refrigeration%2009.pdf>.
- Swagelok Energy Advisors, Inc. 2011. "Steam System Thermal Cycle Efficiency — Part One Document No. 33." [www.swagelok.com/Chicago/Services/Energy-Services/~media/Distributor%20Media/C-G/Chicago/Services/ES%20-%20Thermal%20Cycle%20Efficiency\\_BP\\_33.aslx](http://www.swagelok.com/Chicago/Services/Energy-Services/~media/Distributor%20Media/C-G/Chicago/Services/ES%20-%20Thermal%20Cycle%20Efficiency_BP_33.aslx).
- TASIO. 2016. "Waste Heat Recovery for Power Valorisation with Organic Rankine Cycle Technology in Energy Intensive Industries." [http://www.tasio-h2020.eu/wp-content/uploads/2018/02/D2.1-Energetic-flow-chart\\_Review1.pdf](http://www.tasio-h2020.eu/wp-content/uploads/2018/02/D2.1-Energetic-flow-chart_Review1.pdf).
- Thiede, Sebastian. 2012. *Energy Efficiency in Manufacturing Systems*. Springer.

- U.S. Census Bureau. 2017. Introduction to NAICS. May 10. <https://www.census.gov/eos/www/naics/>.
- U.S. Department of Agriculture. 2018. "Commercial disappearance for dairy product categories (monthly and annual)." <https://www.ers.usda.gov/data-products/dairy-data.aspx>.
- . 2018. "Commercial disappearance of milk in all products (monthly and annual)." <https://www.ers.usda.gov/data-products/dairy-data.aspx>.
- . 2015. "Dairy Products 2014 Summary." April. <http://usda.mannlib.cornell.edu/usda/nass/DairProdSu//2010s/2015/DairProdSu-04-29-2015.pdf>.
- . 2017. "Food Availability (Per Capita) Data System. Loss-Adjusted Food Availability-Fruit." <http://www.ers.usda.gov/data-products/food-availability-per-capita-data-system/>.
- . 2016. "Fruit and Tree Nuts Yearbook Tables." <https://www.ers.usda.gov/data-products/fruit-and-tree-nut-data/fruit-and-tree-nut-yearbook-tables/#All Yearbook tables>.
- . 2018. "Milk: Supply and utilization of all dairy products (Annual)." <https://www.ers.usda.gov/data-products/dairy-data.aspx>.
- . 2017. "Oil Crops Yearbook." <http://www.ers.usda.gov/data-products/oil-crops-yearbook.aspx>.
- . 2018. "U.S. processing vegetables, mushrooms, and potatoes: supply utilization and price." <https://www.ers.usda.gov/data-products/vegetables-and-pulses-data/yearbook-tables/>.
- . 2017. "Vegetables and Pulses Yearbook Tables." <http://www.ers.usda.gov/data-products/vegetables-and-pulses-data/yearbook-tables.aspx>.
- U.S. Department of Energy. 2017. Furnaces and Boilers. <https://energy.gov/energysaver/furnaces-and-boilers>.
- . 2015. "ISSUANCE 2015-12-31: Energy Conservation Program: Energy Conservation Standards for Pumps, Final Rule." <https://energy.gov/eere/buildings/downloads/issuance-2015-12-31-energy-conservation-program-energy-conservation>.
- U.S. Department of Energy, Advanced Manufacturing Office. 2014. Improving Motor and Drive System Performance: A Sourcebook for Industry. [https://www.energy.gov/sites/prod/files/2014/04/f15/amo\\_motors\\_sourcebook\\_web.pdf](https://www.energy.gov/sites/prod/files/2014/04/f15/amo_motors_sourcebook_web.pdf).
- . 2014. Premium Efficiency Motor Selection and Application Guide: A Handbook for Industry. [https://www.energy.gov/sites/prod/files/2014/04/f15/amo\\_motors\\_handbook\\_web.pdf](https://www.energy.gov/sites/prod/files/2014/04/f15/amo_motors_handbook_web.pdf).
- . 2017. "Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Aluminum Manufacturing." U.S. Department of Energy. September. [https://energy.gov/sites/prod/files/2017/12/f46/Aluminum\\_bandwidth\\_study\\_2017.pdf](https://energy.gov/sites/prod/files/2017/12/f46/Aluminum_bandwidth_study_2017.pdf).
- . 2015. "Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Chemical Manufacturing." [https://www.energy.gov/sites/prod/files/2015/08/f26/chemical\\_bandwidth\\_report.pdf](https://www.energy.gov/sites/prod/files/2015/08/f26/chemical_bandwidth_report.pdf).
- . 2015. "Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Iron and Steel Manufacturing." [https://www.energy.gov/sites/prod/files/2015/08/f26/iron\\_and\\_steel\\_bandwidth\\_report\\_0.pdf](https://www.energy.gov/sites/prod/files/2015/08/f26/iron_and_steel_bandwidth_report_0.pdf).
- . 2015. "Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Petroleum Refining." [https://www.energy.gov/sites/prod/files/2015/08/f26/petroleum\\_refining\\_bandwidth\\_report.pdf](https://www.energy.gov/sites/prod/files/2015/08/f26/petroleum_refining_bandwidth_report.pdf).

- 2015. "Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Pulp and Paper Manufacturing." [https://www.energy.gov/sites/prod/files/2015/08/f26/pulp\\_and\\_paper\\_bandwidth\\_report.pdf](https://www.energy.gov/sites/prod/files/2015/08/f26/pulp_and_paper_bandwidth_report.pdf).
  - 2017. "Bandwidth Study on Energy Use and Potential Energy Savings Opportunities in U.S. Food and Beverage Manufacturing." [https://www.energy.gov/sites/prod/files/2017/12/f46/Food\\_and\\_beverage\\_bandwidth\\_study\\_2017.pdf](https://www.energy.gov/sites/prod/files/2017/12/f46/Food_and_beverage_bandwidth_study_2017.pdf).
  - 2017. "BestPractices Steam Specialist Qualification Training." <https://energy.gov/eere/amo/steam-systems>.
  - 1996. Buying an Energy-Efficient Electric Motor. <https://energy.gov/sites/prod/files/2014/04/f15/mc-0382.pdf>.
  - 2012. "Consider Installing High-Pressure Boilers with Backpressure Turbine-Generators." <https://energy.gov/eere/amo/downloads/consider-installing-high-pressure-boilers-backpressure-turbine-generators>.
  - 2012. "Consider Steam Turbine Drives for Rotating Equipment." January. [https://energy.gov/sites/prod/files/2014/05/f16/steam21\\_rotating equip.pdf](https://energy.gov/sites/prod/files/2014/05/f16/steam21_rotating equip.pdf).
  - 1997. "Determining Electric Motor Load and Efficiency." <https://energy.gov/eere/amo/downloads/determining-electric-motor-load-and-efficiency>.
  - 2012. "Estimating Motor Efficiency in the Field." [https://energy.gov/sites/prod/files/2014/04/f15/estimate\\_motor\\_efficiency\\_motor\\_systems2.pdf](https://energy.gov/sites/prod/files/2014/04/f15/estimate_motor_efficiency_motor_systems2.pdf).
  - 2006. "Improving Pumping System Performance: A Sourcebook for Industry." <https://energy.gov/eere/amo/downloads/improving-pumping-system-performance-sourcebook-industry-second-edition>.
  - 2014. Manufacturing Energy and Carbon Footprints (2010 MECS). U.S. Department of Energy. <https://energy.gov/eere/amo/manufacturing-energy-and-carbon-footprints-2010-mecs>.
  - 2012. "Replace V-Belts with Notched or Synchronous Belt Drives." <https://www.energy.gov/eere/amo/downloads/replace-v-belts-notched-or-synchronous-belt-drives>.
  - n.d. "Test for Pumping System Efficiency." <https://energy.gov/eere/amo/downloads/test-pumping-system-efficiency>.
- U.S. Department of Energy, Building Technologies Office. 2012. "2010 U.S. Lighting Market Characterization." January. <https://www1.eere.energy.gov/buildings/publications/pdfs/ssl/2010-lmc-final-jan-2012.pdf>.
- 2017. "2015 U.S. Lighting Market Characterization." <https://energy.gov/eere/ssl/2015-us-lighting-market-characterization>.
- U.S. Department of Energy, Industrial Technologies Program. 2010. "BestPractices Steam End User Training Guide." U.S. Department of Energy. September 13.
- U.S. Department of Energy, Office of Policy and International Affairs. 2007. "Technical Guidelines Voluntary Reporting of Greenhouse Gases (1605(b)) Program." [http://www.aftresearch.org/ecosystems/materials/docs/January2007\\_1605b%20GHG%20TechnicalGuide%20lines.pdf](http://www.aftresearch.org/ecosystems/materials/docs/January2007_1605b%20GHG%20TechnicalGuide%20lines.pdf).
- U.S. Department of Energy, Vehicle Technologies Office. 2017. "Advanced Combustion Engines: 2016 Annual Report." July. [https://www.energy.gov/sites/prod/files/2017/08/f36/fy16\\_adv\\_comb\\_report\\_print.pdf](https://www.energy.gov/sites/prod/files/2017/08/f36/fy16_adv_comb_report_print.pdf).

- U.S. Energy Information Administration. 2005. 2002 Manufacturing Energy Consumption Survey Methodology and Data Quality: Survey Design, Implementation, and Estimates. U.S. Department of Energy. <https://www.eia.gov/consumption/manufacturing/data/2002/index.php?view=methodology>.
- . 2015. "2014 Manufacturing Energy Consumption Survey Form EIA-846." U.S. Department of Energy. [http://www.eia.gov/survey/form/eia\\_846/form\\_a.pdf](http://www.eia.gov/survey/form/eia_846/form_a.pdf).
- . 2015. "2014 Manufacturing Energy Consumption Survey Form EIA-846B." U.S. Department of Energy. [http://www.eia.gov/survey/form/eia\\_846/form\\_b.pdf](http://www.eia.gov/survey/form/eia_846/form_b.pdf).
- . 2012. "Annual Energy Review 2011." Accessed October 2017. [www.eia.gov/totalenergy/data/annual/pdf/aer.pdf](http://www.eia.gov/totalenergy/data/annual/pdf/aer.pdf).
- . 2017. Form EIA-923 Detailed Data. <https://www.eia.gov/electricity/data/eia923/>.
- . 2017. Manufacturing Energy Consumption Survey (MECS): 2014 MECS Survey Data. U.S. Department of Energy. October. Accessed November 2017. <http://www.eia.gov/consumption/manufacturing/data/2014/>.
- . n.d. MECS Terminology. U.S. Department of Energy. <https://www.eia.gov/consumption/manufacturing/terms.php>.
- . 2014. "Model Documentation Report: Industrial Demand Module of the National Energy Modeling System." [https://www.eia.gov/outlooks/aeo/nems/documentation/industrial/pdf/m064\(2014\).pdf](https://www.eia.gov/outlooks/aeo/nems/documentation/industrial/pdf/m064(2014).pdf).
- . 2017. Monthly Energy Review. U.S. Department of Energy. October 26. Accessed November 15, 2017. <https://www.eia.gov/totalenergy/data/monthly/>.
- . 2017. "Petroleum & Other Liquids: Downstream Charge Capacity of Operable Petroleum Refineries." [https://www.eia.gov/dnav/pet/pet\\_pnp\\_capchg\\_dcu\\_nus\\_a.htm](https://www.eia.gov/dnav/pet/pet_pnp_capchg_dcu_nus_a.htm).
- . 2017. "Petroleum & Other Liquids: Production Capacity of Operable Petroleum Refineries." [https://www.eia.gov/dnav/pet/pet\\_pnp\\_capprod\\_dcu\\_nus\\_a.htm](https://www.eia.gov/dnav/pet/pet_pnp_capprod_dcu_nus_a.htm).
- . 2018. "Petroleum & Other Liquids: Refinery Utilization and Capacity." [https://www.eia.gov/dnav/pet/pet\\_pnp\\_unc\\_dcu\\_nus\\_a.htm](https://www.eia.gov/dnav/pet/pet_pnp_unc_dcu_nus_a.htm).
- U.S. Environmental Protection Agency. 2013. "2013 Revisions to the Greenhouse Gas Reporting Rule and Final Confidentiality Determinations for New or Substantially Revised Data Elements; Final Rule." Vers. Federal Register Vol. 78 No. 230. November 29. <https://www.gpo.gov/fdsys/pkg/FR-2013-11-29/pdf/2013-27996.pdf>.
- . 2013. "2013 Revisions to the Greenhouse Gas Reporting Rule and Proposed Confidentiality Determinations for New or Substantially Revised Data Elements; Proposed Rule." April 2. <https://www.gpo.gov/fdsys/pkg/FR-2013-04-02/pdf/2013-06093.pdf>.
- . 2010. "Available and Emerging Technologies for Reducing Greenhouse Gas Emissions from the Pulp and Paper Manufacturing Industry." <https://www.epa.gov/sites/production/files/2015-12/documents/pulpandpaper.pdf>.
- . 2017. "Catalog of CHP Technologies." U.S. Environmental Protection Agency. September. Accessed January 2018. [https://www.epa.gov/sites/production/files/2015-07/documents/catalog\\_of\\_chp\\_technologies.pdf](https://www.epa.gov/sites/production/files/2015-07/documents/catalog_of_chp_technologies.pdf).

- 2015. "Catalog of CHP technologies Section 3. Technology Characterization: Combustion Turbines." [https://www.epa.gov/sites/production/files/2015-07/documents/catalog\\_of\\_chp\\_technologies\\_section\\_3\\_technology\\_characterization\\_-\\_combustion\\_turbines.pdf](https://www.epa.gov/sites/production/files/2015-07/documents/catalog_of_chp_technologies_section_3_technology_characterization_-_combustion_turbines.pdf).
  - 2015. "Emission Factors for Greenhouse Gas Inventories." [https://www.epa.gov/sites/production/files/2016-09/documents/emission-factors\\_nov\\_2015\\_v2.pdf](https://www.epa.gov/sites/production/files/2016-09/documents/emission-factors_nov_2015_v2.pdf).
  - 2017. Emissions & Generation Resource Integrated Database (eGRID2014) Version 2. February 27. Accessed January 17, 2018. <https://www.epa.gov/energy/emissions-generation-resource-integrated-database-egrid>.
  - 2007. "ENERGY STAR Performance Ratings Methodology for Incorporating Source Energy Use." [http://northeastgeo.com/wp-content/uploads/2017/10/EPA-Site\\_Source-Energy-Study-Dec2007-.pdf](http://northeastgeo.com/wp-content/uploads/2017/10/EPA-Site_Source-Energy-Study-Dec2007-.pdf).
  - 2013. "ENERGY STAR Portfolio Manager Technical Reference: Source Energy." <https://portfoliomanager.energystar.gov/pdf/reference/Source%20Energy.pdf>.
  - 2016. Glossary of Climate Change Terms. U.S. Environmental Protection Agency. August 9. Accessed January 2018. [https://19january2017snapshot.epa.gov/climatechange/glossary-climate-change-terms\\_.html](https://19january2017snapshot.epa.gov/climatechange/glossary-climate-change-terms_.html).
  - 2016. "Greenhouse Gas Inventory Guidance: Indirect Emissions from Purchased Electricity." [https://www.epa.gov/sites/production/files/2016-03/documents/electricityemissions\\_3\\_2016.pdf](https://www.epa.gov/sites/production/files/2016-03/documents/electricityemissions_3_2016.pdf).
  - 2017. "Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2015." [https://www.epa.gov/sites/production/files/2017-02/documents/2017\\_complete\\_report.pdf](https://www.epa.gov/sites/production/files/2017-02/documents/2017_complete_report.pdf).
- U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards. 2011. "Response to Public Comments on Rule Amendments Proposed May 3, 2011 (73 FR 33642)." <https://www3.epa.gov/ttn/atw/utility/epa-hq-oar-2911-0044-draft-5819-1.pdf>.
- U.S. Geological Survey. 2017. "2014 Minerals Yearbook: Cement [Advance Release]." <https://minerals.usgs.gov/minerals/pubs/commodity/cement/myb1-2014-cemen.pdf>.
- Worrell, Ernst, Christina Galitsky, Eric Masanet, and Wina Graus. 2008. "Energy Efficiency Improvement and Cost Saving Opportunities for the Glass Industry: An ENERGY STAR® Guide for Energy and Plant Managers." <https://www.energystar.gov/ia/business/industry/Glass-Guide.pdf>.
- Worrell, Ernst, Mariëlle Corsten, and Christina Galitsky. 2015. "Energy Efficiency Improvement and Cost Saving Opportunities for Petroleum Refineries: An ENERGY STAR® Guide for Energy and Plant Managers." [https://www.energystar.gov/sites/default/files/tools/ENERGY\\_STAR\\_Guide\\_Petroleum\\_Refineries\\_2015\\_0330.pdf](https://www.energystar.gov/sites/default/files/tools/ENERGY_STAR_Guide_Petroleum_Refineries_2015_0330.pdf).
- Xenergy, Inc. for U.S. Department of Energy and Oak Ridge National Laboratory. 2002. "United States Industrial Electric Motor Systems Market Opportunities Assessment." <https://energy.gov/eere/amo/downloads/united-states-industrial-electric-motor-systems-market-opportunities-assessment>.
- Zyga, Lisa. 2010. White LEDs with super-high luminous efficacy could satisfy all general lighting needs. August 31. Accessed January 2018. <http://phys.org/news202453100.html>.