

16 REFERENCES/LITERATURE CITED

- CEQA. The California Environmental Quality Act, as amended January 1, 2009. CEQA Guidelines, as amended December 31, 2009.
- Manuel Oliveira Dairy, 2018. Nutrient Management Plan (Proposed Conditions). Prepared by Sousa Engineering. September 2018.
- _____. 2018a. Waste Management Plan (Proposed Conditions). Prepared by Cardoso Ag Services. September 2018.
- _____. 2016. Waste Management Plan (Existing Conditions). Prepared by Cardoso Ag Services. August 2016.
- _____. 2016a. Nutrient Management Plan (Existing Conditions). Prepared by Cardoso Ag Services. August 2016.
- Merced, County of. 2013. 2030 Merced County General Plan. Adopted on December 10, 2013.
- _____. 2007. An Ordinance Amending the Merced County Code to Modify Chapter 18.48.040 Entitled “Animal Confinement Facilities.” February 13, 2007.
- _____. 2002. Program Environmental Impact Report for the Merced County Animal Confinement Ordinance Revision. County of Merced, Division of Environmental Health, Merced, California. October 2002.

CHAPTER 5 – AIR QUALITY AND ODORS

ARB, see California, State of, Air Resources Board.

- Augustin, et. al. 2011. Biosecure Nutrient Management Practices. Volume NM 1551. By Augustin, Chris. Stoltenow, Charles. Widerholt, Ron. North Dakota State University (NDSU). 2011. Accessed on December 13, 2018 at <<http://www.ag.ndsu.edu/pubs/h2oqual/watnut/nm1551.pdf>>
- California, State of, Air Resources Board. 2018. Air Quality Trend Summaries. Accessed on December 13, 2018 at <<https://www.arb.ca.gov/adam/>>
- _____, 2016. Ambient Air Quality Standards (CAAQS). Dated 5/4/16. Accessed on November 28, 2018 at <<http://www.arb.ca.gov/research/aaqs/aaqs2.pdf>>
- _____, 2013. San Joaquin Valley Air Basin 2012 Emission Inventory by Air Basin and by County for Other Mobile Sources, Farm Equipment. Published 2013. Accessed on March 29, 2017 at <www.arb.ca.gov/ci/maps/basins/absjvmap.htm>
- Eckard, R. 2007. “The Abatement Challenge for Australian Agriculture.” The University of Melbourne and Department of Primary Industries, Victoria. Accessed on December 27, 2018 at <http://www.greenhouse.unimelb.edu.au/pdf_files/Garnaut_Eckard.pdf>

EPA. See United States, Environmental Protection Agency.

Henry and Stowell, undated. "Understanding Odor Footprints and the Odor Footprint Tool (FAQs)". University of Nebraska. Prepared by Chris Henry, P.E., and Rick Stowell, Ph.D., P.E. Accessed on December 13, 2018 at <http://water.unl.edu/documents/OFT_FAQ.pdf>

Insight Environmental Consultants, Inc., 2018. Ambient Air Quality Analysis, Oliveira Dairy Expansion. December 2018.

_____, 2018a. Health Risk Assessment, Oliveira Dairy Expansion. December 2018.

San Joaquin Valley Air Pollution Control District (SJVAPCD). 2018. Air Quality Plans. Accessed on December 12, 2018 at <<http://www.valleyair.org/Home.htm>>

_____. 2017. Area Designations Maps / State and National. Page last reviewed October 18, 2018. Accessed on December 13, 2018 at <<http://www.arb.ca.gov/desig/adm/adm.htm> >

_____. 2015. "Guidance for Assessing and Mitigating Air Quality Impacts." March 19, 2015. Accessed on December 13, 2018 at <http://www.valleyair.org/transportation/ceqa_guidance_documents.htm>

Tyndall, J.C. and J.P. Colletti. 2007. "Mitigating Swine Odor with Strategically Designed Shelterbelt Systems: A Review". *Agroforestry Systems*. Volume 69:45-65. 2007. Accessed on December 13, 2018 at <<http://www.nrem.iastate.edu/research/veb/pub.swinesb.pdf>>.

United States, Department of Agriculture (USDA). 2014. 2012 Census of Agriculture – County Data: Total Cropland - Harvested Cropland, Acres. Merced County. Published May 2, 2014. Accessed on May 3, 2017 at <<http://www.agcensus.usda.gov/Publications/2012/> >

_____, 2000. (USDA CLAQC) Confined Livestock Air Quality Committee of the USDA Agricultural Air Quality Task Force. Air Quality Research and Technology Transfer White Paper and Recommendations for Concentrated Animal Feeding Operations. July 19, 2000.

United States, Environmental Protection Agency (EPA). 2018. Air Actions, California: Air Actions in the San Joaquin Valley - Ozone. Page updated January 1, 2018. Accessed on December 12, 2018 at <<http://www.epa.gov/region9/air/sjvalley/index.html>>

_____. 2018b. Current Nonattainment Counties for All Criteria Pollutants. As of November 30, 2018. Accessed on December 13, 2018 at <<http://www3.epa.gov/airquality/greenbook/ancl.html>>

_____. 2016. National Ambient Air Quality Standards (NAAQS) Table. Last updated on December 20, 2016. Accessed on December 13, 2018 at <<https://www.epa.gov/criteria-air-pollutants/naaqs-table> >

CHAPTER 6 – BIOLOGICAL RESOURCES

Airola, Dan., Ted Beedy, and Samantha Arthur. 2016. Tricolored Blackbird Biology, Conservation, and Survey Techniques Workshop. Wildlife Society-Sacramento-Shasta Chapter. May 4, 2016. Folsom, CA.

California Department of Fish and Wildlife. 2018. Natural Diversity Database (CNDDDB) and Biological Information and Observation System (BIOS). Wildlife and Habitat Data Analysis Branch. Data accessed July 2018.

_____. 2000. *Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California Central Valley*. Swainson's Hawk Technical Advisory Committee, May 31, 2000.

_____. 1994. Department of Fish and Game Staff Report Regarding Mitigation for Impacts to Swainson's Hawks in the Central Valley of California.

California Native Plant Society. 2018. Inventory of Rare and Endangered Vascular Plants of California. California Native Plant Society, Sacramento, CA. Accessed on August 10, 2018 at <<http://www.rareplants.cnps.org/>>

California, State of. Regional Water Quality Control Board, Central Valley Region (CVRWQCB). 2018. Water Quality Control Plan (Basin Plan) for the Sacramento River Basin and the San Joaquin River Basin, Fifth Edition. Revised May 2018.

Merced, County of. 2013. Merced County 2030 General Plan. Prepared by Mintier Harnish, December 2013.

_____. 2002. Program Environmental Impact Report for the Merced County Animal Confinement Ordinance Revision. County of Merced, Division of Environmental Health, Merced, California. October 2002.

Meese, RJ. 2014. Results of the 2014 Tricolored Blackbird Statewide Survey. Report available at the Tricolored Blackbird Portal at <http://tricolor.ice.ucdavis.edu/reports>.

Padre Associates, Inc. 2018. Biological Resources Reconnaissance Survey and CEQA Analysis, Oliveira Dairy Expansion Project. August 27, 2018.

Ullrey, D.E. 1992. Basis for regulation of selenium supplements in animal diets. *Journal of Animal Science* 1992, 70:3922-3927. Accessed on September 21, 2018 at <<https://www.ncbi.nlm.nih.gov/pubmed/1474028> >

U. S. Fish and Wildlife Service. 2018a. Species list for Oliveira Dairy Expansion Project footprint through IPaC Trust Resource Report on August 10, 2018 for use in preparation of Biological Reconnaissance Report.

_____. 2018b. National Wetlands Inventory website. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C. <http://www.fws.gov/wetlands>

_____. 2011. Standardized Recommendations for Protection of the Endangered San Joaquin Kit Fox Prior to or during Ground Disturbance. Sacramento Fish and Wildlife Office. January 2011.

United States Food and Drug Administration (USFDA). 2016. Code of Federal Regulations Title 21 Section 573.920 Selenium. Revised as of April 1, 2018. Accessed on September 21, 2018 at <<https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm?fr=573.920>>

CHAPTER 7 – CULTURAL RESOURCES

Guerrero, Brian. 2018. Planner III, Merced County Department of Community and Economic Development. Personal communication with Mary Wilson of Environmental Planning Partners, Inc. regarding tribal consultation requests and/or responses from Native American tribes in Merced County. September 24, 2018. Updated December 2018.

Merced, County of. Department of Agriculture. 2016. *2016 Report on Agriculture*. Undated. Accessed on September 21, 2018 at <<https://www.co.merced.ca.us/ArchiveCenter/ViewFile/Item/720>>

Napton, L. K., 2018. Cultural Resources Investigations of the Proposed Oliveira Dairy Expansion Project Area, Merced County, California. Prepared for Environmental Planning Partners, Inc., Rancho Cordova, CA. June 2018.

CHAPTER 8 – GREENHOUSE GAS EMISSIONS AND ENERGY

Archibeque, et. al, 2012. Near-Term Options for Reducing Greenhouse Gas Emissions from Livestock Systems in the United States Beef, Dairy, and Swine Production Systems. Nicholas Institute for Environmental Policy Solutions. Report NI R 12-04. Shawn Archibeque, Karen Haugen-Kozyra, Kristen Johnson, Ermias Kebreab, and Wendy Powers-Schilling. Eds. Lydia P. Olander and Abigail Van de Bogert. July 2012. Accessed on December 27, 2018 at <<https://nicholasinstitute.duke.edu/sites/default/files/publications/near-term-options-for-reducing-greenhouse-gas-emissions-from-livestock-systems-in-the-united-states-paper.pdf> >

California, State of, Air Resources Board (ARB), 2018. Greenhouse Gas Inventory for 2000-2016. Last reviewed July 11, 2018. Accessed on November 5, 2018 at <<http://www.arb.ca.gov/cc/inventory/data/data.htm>>

_____, 2017. Final Proposed Short-Lived Climate Pollutant Reduction Strategy. March 2017. Accessed on October 31, 2018 at <<http://www.arb.ca.gov/cc/shortlived/shortlived.htm>>

_____, 2017a. California's 2017 Climate Change Scoping Plan. November 2017. Accessed on October 31, 2018 at <<https://www.arb.ca.gov/cc/scopingplan/scopingplan.htm>>

_____, 2014. First Update to the Climate Change Scoping Plan, Building on the Framework. May 2014. Accessed on October 31, 2018 at <<http://www.arb.ca.gov/cc/scopingplan/scopingplan.htm>>

- _____, 2008. Climate Change Scoping Plan, A Framework for Change. December 2008. Posted 5/11/09 version includes Board approved resolution, changes outlined in the errata sheet and Board requested modifications. Accessed on October 31, 2018 at <<http://www.arb.ca.gov/cc/scopingplan/document/scopingplandocument.htm>>
- California, State of, Department of Food and Agriculture, 2018. Information on the Dairy Digester Research and Development Program and the Alternative Manure Management Program. Accessed on December 27, 2018 at: < <https://www.cdfa.ca.gov> >
- Cornell University Cooperative Extension 2012. Introduction to Energy-Efficient Tractor and Field Operations. Farm Energy – March 23, 2012. Accessed on November 19, 2018 at <<http://www.extension.org/pages/29604/introduction-to-energy-efficient-tractor-and-field-operations/print/#.VEf21b6rjvQ>>
- Denef, et. al. 2012. Report of Greenhouse Gas Accounting Tools for Agriculture and Forestry Sectors. Interim Report to USDA under Contract No. GS-23F-8182H. Deneff K., K. Paustian, S. Archibeque, S. Biggar, and D. Pape.
- EnSave 2012. Best Practices Guide: Energy Savings Opportunities for Dairy. In cooperation with NRCS and Innovation Center for U.S. Dairy. Accessed on November 19, 2018 at <<http://www.energy.wsu.edu/EnergyLibrary/AgricultureMatters/CatalogItemDetail.aspx?id=471> >
- EPA. See United States, Environmental Protection Agency.
- Food and Agriculture Organization (FAO), 2010. “Greenhouse Gas Emissions from the Dairy Sector, A Life Cycle Assessment.” Animal Production and Health Division, Food and Agriculture Organization of the United Nations, 2010. Accessed on April 18, 2017 at <<http://www.fao.org/docrep/012/k7930e/k7930e00.pdf> >
- Innovation Center, 2008. “U.S. Dairy Sustainability Initiative, A Roadmap to Reduce Greenhouse Gas Emissions and Increase Business Value.” *U.S. Dairy Sustainability Commitment*. December 2008. Accessed on November 19, 2018 at <<http://www.usdairy.com/sustainability/environmental-research> >
- Intergovernmental Panel on Climate Change (IPCC), 2013. *Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*. Stocker, T.F., D. Qin, G.-K. Plattner, M. Tignor, S.K. Allen, J. Boschung, A. Nauels, Y. Xia, V. Bex and P.M. Midgley (eds.]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 1535 pp. Accessed on October 31, 2018 at <<http://www.ipcc.ch/report/ar5/wg1/>>
- _____, 2007. *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*. Intergovernmental Panel on Climate Change, Cambridge, United Kingdom and New York, NY, USA: Cambridge University Press, 2007, 996. Accessed on April 18, 2017 at <http://www.ipcc.ch/publications_and_data/ar4/wg1/en/contents.html>

- International Dairy Federation (IDF), 2009. Environmental / Ecological Impact of the Dairy Sector: Literature review on dairy products for an inventory of key issues. Bulletin of the International Dairy Federation. 2009.
- Merced County, 2013. 2030 Merced County General Plan Background Report. 8 – Natural Resources and 12 – Climate Change. December 2013.
- NOAA. See United States, National Oceanic and Atmospheric Administration, National Centers for Environmental Information.
- Paustian, Keith, John M. Antle, John Sheehan, and Eldor A. Paul. “Agriculture’s Role in Greenhouse Gas Mitigation.” Pew Center on Global Climate Change, 2006.
- Pidwirny, M. 2006. The Carbon Cycle: Fundamentals of Physical Geography. 2nd Edition. Accessed on November 5, 2018 at < <http://www.physicalgeography.net/fundamentals/9r.html>>
- Southern California Edison, 2004. Dairy Farm Energy Management Guide, California. David C. Ludington, Eric L. Johnson, James A. Kowalski, Anne L. Mage. February 2004. Accessed on November 5, 2018 at <<http://www.energy.wsu.edu/EnergyLibrary/AgricultureMatters/CatalogItemDetail.aspx?id=429>>
- Thoma, G. et. al. 2013. “Greenhouse Gas Emissions from Milk Production and Consumption in the United States – A cradle to grave life cycle assessment circa 2008. ” Greg Thoma, Jennie Popp, Darin Nutter, David Shonnard, Richard Ulricha, Marty Matlocke, Dae Soo Kima, Zara Neidermane, Nathan Kemperb, Cashion Easta, Felix Adom. *International Dairy Journal*, 31: 3-14. Accessed on April 18, 2017 at <<http://dx.doi.org/10.1016/j.idairyj.2012.08.013>>
- UMass Extension, 2011. Reducing Energy Use on the Dairy Farm. CDLE Pub. 11-55. Accessed on November 19, 2018 at < [https://ag.umass.edu/sites/ag.umass.edu/files/fact-sheets/pdf/ReducingEnergyUseontheDairyFarm\(11-55\).pdf](https://ag.umass.edu/sites/ag.umass.edu/files/fact-sheets/pdf/ReducingEnergyUseontheDairyFarm(11-55).pdf) >
- United States, Department of Agriculture (USDA), 2018. Forest Service. Climate Change Resource Center. Forests and Carbon Storage. Accessed on November 5, 2018 at < <https://www.fs.usda.gov/ccrc/topics/forests-carbon> >
- _____, 2016. Dairy Gas Emissions Model. Reference Manual. Version 3.3. C. Alan Rotz, Dawn S. Chianese, Felipe Montes, Sasha Hafner, and Henry Bonifacio. Pature Systems and Watershed Management Research Unit, Agricultural Research Service, United States Department of Agriculture. September 2016. Accessed on November 19, 2018 at <<http://www.ars.usda.gov/Main/docs.htm?docid=21345#Reference>>
- _____, 2006. Natural Resources Conservation Service. Conservation Practices that Save: Energy Conservation in Confined Animal Operations. Accessed on November 19, 2018 at <http://www.nrcs.usda.gov/wps/portal/nrcs/detailfull/national/energy/?cid=nrcs143_023636>

- United States, Environmental Protection Agency (EPA), 2018a. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016. April 2018. Accessed on November 2, 2018 at < <https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks> >
- _____, 2018b. Overview of Greenhouse Gases. Methane Emissions. Page updated on October 31, 2018. Accessed on November 8, 2018 at < <https://www.epa.gov/ghgemissions/overview-greenhouse-gases#methane> >
- _____. 2018c. *Anaerobic Digester Database*. Last updated April 2018. Accessed on November 5, 2018 at < <http://www2.epa.gov/agstar/livestock-anaerobic-digester-database> >
- _____, 2017. Greenhouse Gas Reporting Program. Subpart JJ – Manure Management. Rule Information. Page last updated on May 17, 2017. Accessed on December 28, 2018 at <<http://www2.epa.gov/ghgreporting/subpart-jj-manure-management>>
- _____, 2016a. Climate Change. Impacts. Human Health Impacts. Last updated October 19, 2016. Accessed on October 21, 2016 at <<http://www3.epa.gov/climatechange/impacts/health.html>> Screenshot accessed on November 2, 2018 at: < https://19january2017snapshot.epa.gov/climate-impacts/climate-impacts-human-health_.html>
- _____, 2016b. Climate Change Science. Last updated on October 19, 2016. Accessed on October 21, 2016 at < <https://www.epa.gov/climate-change-science> > Archive accessed on November 2, 2018 at: <<https://archive.epa.gov/epa/climate-change-science.html>>
- United States, National Oceanic and Atmospheric Administration, National Centers for Environmental Information (NOAA), 2017. State of the Climate: Global Climate Report for Annual 2017. January 2018. Accessed on October 31, 2018 at: <<https://www.ncdc.noaa.gov/sotc/global/201713>>
- Wightman, J., 2008. Production and Mitigation of Greenhouse Gases in Agriculture. Jenifer Wightman In: Climate Change and Agriculture: Promoting Practical and Profitable Responses. Cornell University.

CHAPTER 9 – NUISANCE CONDITIONS FROM INSECTS

- Souza, pers. comm. 2018. Personal communications between Deanna Souza, Business Services Supervisor, Merced County Mosquito Abatement, District, and Raadha Jacobstein on November 1, 2018, regarding guidelines for construction and management of dairy wastewater systems to minimize mosquitoes.
- California, Department of Public Health (DPH), 2018. Map of *Aedes aegypti* and *Aedes albopictus* Mosquitoes in CA, 2011-2018. Updated October 5, 2018. Accessed on November 30, 2018 at: < <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/VBDS.aspx> >
- _____. 2018a. CDPH Monthly Update on Number of Zika Virus Infections in California October 5, 2018. Accessed on October 30, 2018 at: < <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/VBDS.aspx>>

- _____. 2018b. California West Nile Virus Website. Page Updated October 29, 2018. Accessed on October 30, 2018 at < <http://www.westnile.ca.gov>>
- _____. 2017. Annual Report. Vector-Borne Disease Section. Infectious Diseases Branch, Division of Communicable Disease Control, Center for Infectious Diseases, California Department of Public Health. Accessed on October 30, 2018 at: < <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/VBDS.aspx>>
- _____. 2012. Best Management Practices for Mosquito Control in California. July 2012. Accessed on October 29 at <<http://www.cdph.ca.gov/HealthInfo/discond/Documents/BMPforMosquitoControl07-12.pdf>>.
- CDC. See United States, Department of Health and Human Services, Centers for Disease Control and Prevention.
- DPH. See California, State of. Department of Public Health.
- Gerry, Alec, 2008. University of California at Riverside. “Management of Nuisance Flies: Dairy Design and Operational Considerations.” April 2008. See Appendix E of this DEIR.
- Lawler, Sharon P. and Gregory C. Lanzaro, 2005. *Managing Mosquitoes on the Farm*. Department of Entomology, UC Davis. NR Publication 8158, published in 2005.
- Merced County, 2018a. Email confirmation in response to Information Request regarding nuisance odor or nuisance insect complaints on record for the Oliveira Dairy. June 2018. Updated October 2018.
- _____. 2018b. GIS Services and Mapping. Accessed by Raadha Jacobstein on October 27 at <<http://www.co.merced.ca.us/index.aspx?nid=441>>
- _____, 2002. Program Environmental Impact Report for the Merced County Animal Confinement Ordinance Revision. County of Merced, Division of Environmental Health, Merced, California. October 2002.
- United States, Department of Health and Human Services, Centers for Disease Control and Prevention (CDC). 2018. “Malaria.” Page last updated May 3, 2018. Accessed on October 30, 2018 at <<http://www.cdc.gov/malaria>>

CHAPTER 10 – HYDROLOGY AND WATER QUALITY

- Augustin, et. al. 2011. Biosecure Nutrient Management Practices. Volume NM 1551. By Augustin, Chris. Stoltenow, Charles. Widerholt, Ron. North Dakota State University (NDSU). 2011.
- Bradford, 2012. Transport and Fate of Nutrients and Indicator Microorganisms at a Dairy Lagoon Water Application Site: An Assessment of Nutrient Management Plans. Bradford, S. U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-10/116, 2012.

- Brock, et. al. 2006. Copper and zinc accumulation in poultry and dairy manure-amended fields. By Brock, E. H., Ketterings, Q. M., and McBride, M. *Soil Science*, 171(5). May 2006:388-399.
- Castillo, et. al. 2007. “Mineral balances, including in drinking water, estimated for Merced County dairy herds”, Alejandro R. Castillo Dr., Jose Eduardo P. Santos, and Tom J. Tabone. *California Agriculture*: Vol. 61: No. 2, Page 90. Accessed on December 10, 2018 at <<http://repositories.cdlib.org/anrcs/californiaagriculture/v61/n2/p90>>.
- CDC. See United States, Department of Health and Human Services, Centers for Disease Control and Prevention.
- Central Valley Regional Water Quality Control Board (CVRWQCB), 2018. Irrigated Lands Regulatory Program (ILRP). Web page updated 11/13/18. Accessed on November 16, 2018 at <http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/>
- EPA. See United States, Environmental Protection Agency.
- Flis, et. al. 2006. The effect of CuSO₄ from dairy manure on the growth, and composition of cool season forage grasses and corn. Northern NY Agricultural Development Program 2005-2006 Project Report. By Flis, S. A., Thomas, E. D., Ballard, C. S., Dann, H. M., and Cotanch, K. W.
- Gilchrist et. al, 2007. The Potential Role of Concentrated Animal Feeding Operations in Infectious Disease Epidemics and Antibiotic Resistance. Mary J. Gilchrist, Christina Greko, David B. Wallinga, George W. Beran, David G. Riley, and Peter S. Thorne. *Environ Health Perspect.* 2007 February; 115(2): 313–316.
- LPE Learning Center, 2015. Pathogens and Potential Risks Related to Livestock or Poultry Manure. Last Updated March 19, 2015. Accessed on December 6, 2018 at <http://www.extension.org/pages/Pathogens_and_Potential_Risks_Related_to_Livestock_or_Poultry_Manure>
- NV5, 2018. Hydrogeologic Assessment Summary for CEQA for the Oliveira Dairy Expansion Project. December 2018.
- United States, Department of Agriculture (USDA), 2000. “Waterborne Pathogens in Agricultural Watersheds.” by Barry H. Rosen. NRCS, Watershed Science Institute School of Natural Resources University of Vermont, Burlington. Issued June 2000.
- United States, Department of Health and Human Services, Centers for Disease Control and Prevention (CDC), 2013. Antibiotic Resistance Threats in the United States, 2013. Accessed on December 6, 2018 at <<http://www.cdc.gov/drugresistance/threat-report-2013/>>
- United States, Environmental Protection Agency, 2018. Antibiotics, Pesticides, and Hormones. Page last updated on June 13, 2018. Accessed on December 6, 2018 at <<http://infohouse.p2ric.org/ref/02/01269.htm>>.
- _____. 2013. Literature Review of Contaminants in Livestock and Poultry Manure and Implications for Water Quality. Office of Water. EPA 820-R-13-002. July 2013.

_____. 2005. “Detecting and Mitigating the Environmental Impact of Fecal Pathogens Originating from Confined Animal Feeding Operations: Review.” National Risk Management Research Laboratory, Office of Research and Development, United States Environmental Protection Agency, 2005.

United States Food and Drug Administration (USFDA), 2013. Phasing Out Certain Antibiotic Use in Farm Animals. December 11, 2013. Accessed on December 6, 2018 at <<http://www.fda.gov/ForConsumers/ConsumerUpdates/ucm378100.htm>>

Watanabe, et. al. 2010. Use and Environmental Occurrence of Antibiotics in Freestall Dairy Farms with Manured Forage Fields. N. Watanabe, B. A. Bergamaschi, K. A. Loftin, M. T. Meyer, and T. Harter. Environ. Sci. Technol. 2010, 44 6591-6600. November 17, 2010.

CHAPTER 11 – LAND USE COMPATIBILITY

Guerrero, Brian. 2018. Planner III, Merced County, personal communication in December 2018 with Raadha Jacobstein, Planning Partners, regarding Native American Consultation contacts.

Merced, County of. 2018. Email confirmation in response to Information Request regarding nuisance odor or nuisance insect complaints on record for the Oliveira Dairy. June 2018. Updated October 2018.

_____, 2013. 2030 Merced County General Plan. Adopted on December 10, 2013.

CHAPTER 12 – ALTERNATIVES ANALYSIS

ARB. See California, State of, Air Resources Board.

California Climate Action Reserve (CCAR), 2008. “Livestock Project Reporting Protocol, Capturing and destroying methane from manure management systems.” Vers. 2.1. August 2008.

California Climate and Agriculture Network (CalCAN), 2015. Accessed online at <<http://calclimateag.org/wp-content/uploads/2015/11/Diversified-Strategies-for-Methane-in-Dairies-Oct.-2015.pdf>>

California Energy Commission, 2013. An Economic Analysis of Six Dairy Digester Systems in California. Volume 2. March 2013. Accessed on January 16, 2019 at <<http://www.energy.ca.gov/2014publications/CEC-500-2014-001/CEC-500-2014-001-V2.pdf>>

California, State of, Air Resources Board (ARB), 2017. Short-Lived Climate Pollutant Reduction Strategy. March 2017. Accessed on January 16, 2019 at <<http://www.arb.ca.gov/cc/shortlived/shortlived.htm>>

_____, 2014. First Update to the Climate Change Scoping Plan, Building on the Framework. May 2014. Accessed on January 16, 2019 at <<http://www.arb.ca.gov/cc/scopingplan/scopingplan.htm>>

- California, State of, Department of Food and Agriculture, 2018. Information on the Dairy Digester Research and Development Program and the Alternative Manure Management Program. Accessed on December 27, 2018 at: < <https://www.cdffa.ca.gov> >
- CCAR. See California Climate Action Reserve.
- CEC. See California Energy Commission.
- Central Valley Regional Water Quality Control Board, 2011. Economic Feasibility of Dairy Manure Digester and Co-Digester Facilities in the Central Valley of California. May 2011. Accessed on January 16, 2019 at < http://www.waterboards.ca.gov/rwqcb5/water_issues/confined_animal_facilities/program_regs_requirements/dairy/final_dairy_digstr_econ_rpt.pdf >
- _____. 2010. Dairy Manure Digester and Co-Digester Facilities Draft Program EIR. SCH #2010031085. Prepared by ESA. July 2010. Accessed on January 16, 2019 at < https://www.waterboards.ca.gov/centralvalley/water_issues/confined_animal_facilities/program_regs_requirements/dairy/dairy_peir_final_cert.pdf >
- Cuellar, Amanda D, and Michael E Webber. 2008. "Cow power: the energy and emissions benefits of converting manure to biogas." *Environmental Research Letters* 3, no. 3 (July 2008). Accessed on January 16, 2019 at < <http://iopscience.iop.org/article/10.1088/1748-9326/3/3/034002> >
- CVRWQCB. See Central Valley Regional Water Quality Control Board.
- de Boer, H. C. 2008. "Co-digestion of Animal Slurry Can Increase Short-Term Nitrogen Recovery by Crops." *J. Environ. Qual.*, 2008: 1968-1973.
- EPA. See United States, Environmental Protection Agency.
- eXtension 2015. *Economics of Anaerobic Digesters for Processing Animal Manure*. William F. Lazarus. Updated October 27, 2015. Accessed on January 16, 2019 at <http://www.extension.org/pages/Economics_of_Anaerobic_Digesters_for_Processing_Animal_Manure>
- Horner, Joe and Ryan Milhollin 2012. "Dairy Grazing: Keys to Building a Profitable Pasture-Based Dairy." February 2012. University of Missouri Extension. Accessed on January 15, 2019 at <<http://extension.missouri.edu/p/m191>>
- San Joaquin Valley Air Pollution Control District 2009. "Final Staff Report -Climate Change Action Plan: Addressing GHG Emissions Impacts under CEQA." *San Joaquin Valley Air Pollution Control District*. December 17, 2009. Accessed on January 16, 2019 at <http://www.valleyair.org/programs/CCAP/CCAP_idx.htm>
- SJVAPCD. See San Joaquin Valley Air Pollution Control District.

- Sustainable Conservation 2015. Greenhouse Gas Mitigation Strategies for California Dairies. Prepared for Sustainable Conservation by California Environmental Associates. July 2015. Accessed on January 16, 2019 at <http://www.suscon.org/news/pdfs/GHG_Mitigation_for_Dairies_Final_July2015.pdf>
- Tauer, Loren W. and Ashok K. Mishra 2005. "Can the small dairy farm remain competitive in US agriculture?" Elsevier, Food Policy 31 (2006) 458-468. Accessed on January 16, 2019 at <http://www.researchgate.net/profile/Loren_Tauer/publication/222429306_Can_the_small_dairy_farm_remain_competitive_in_US_agriculture/links/09e4150c76f8f41a91000000.pdf>
- Trulia.com 2019. Search for agricultural real estate for sale in the project area. Accessed on January 15, 2019 at <<http://www.trulia.com>>
- USDA. See U.S. Department of Agriculture.
- U.S. Department of Agriculture 2013. Economic Feasibility of Dairy Digester Clusters in California: A Case Study. Prepared by California Dairy Campaign for the U.S. Department of Agriculture Rural Development Agency Value Added Producer Grant Program. June 2013.
- _____. 2012. *Guide for Organic Livestock Producers*. USDA Organic. November 2012. Accessed on January 15, 2019 at <<https://www.ams.usda.gov/sites/default/files/media/GuideForOrganicLivestockProducers.pdf>>
- _____. 2009. Characteristics, Costs, and Issues for Organic Dairy Farming. William D. McBride and Catherine Greene. USDA Economic Research Report Number 82. November 2009. Accessed on January 16, 2019 at <https://www.ers.usda.gov/webdocs/publications/46267/11005_err82_reportsummary_1_.pdf?v=41079>
- _____. 2007. "Profits, Costs, and the Changing Structure of Dairy Farming." Economic Research Report 6704, United States Department of Agriculture. Economic Research Service. MacDonald, James M. & O'Donoghue, Erik J. & McBride, William D. & Nehring, Richard F. & Sandretto, Carmen L. & Mosheim, Roberto. September 2007. Accessed on January 17, 2019 at <<https://ideas.repec.org/p/ags/uersrr/6704.html>>
- United States, Environmental Protection Agency. 2018. *Anaerobic Digester Database*. Last updated April 2018. Accessed on November 5, 2018 at <<http://www2.epa.gov/agstar/livestock-anaerobic-digester-database>>

CHAPTER 13 – REQUIRED CEQA ANALYSES

- Employment Development Department (EDD). 2018. Merced County Local Area Profile. Labor Market Information Division. December 2018 data. Accessed on January 21, 2019 at <<http://www.labormarketinfo.edd.ca.gov>>
- Merced, County of. 2002. Program Environmental Impact Report for the Merced County Animal Confinement Ordinance Revision. County of Merced, Division of Environmental Health, Merced, California. October 2002.