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HB 2853 TESTIMONY

HOUSE COMMITTEE ON AGRICULTURE AND NATURAL RESOURCES REPRESENTATIVE BRIAN CLEM, CHAIR

MARCH 7, 2017

Presented by
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Chair Clem and members of the Committee, my name is Tammy Dennee. I am the Legislative Director for the Oregon Dairy Farmers Association headquartered here in Salem. The Association represents the 228 Grade A Dairy Farms in Oregon. These multi generational family farms produced fluid milk valued at more than \$474 million dollars in 2015. Every one of Oregon's dairy farms is a family operation. The dairies are spread throughout the State, from far eastern Oregon, nearby the Capitol here in the Mid Willamette Valley and along the Coast with a few down in Southern Oregon. Some are conventional and some are organic, but every dairy farmer is committed to the highest standard of care for their herds and the environment.

I am here today to speak against HB 2853. To state it very simply, we spoke in favor legislation passed in the short session, SB 1507 as amended, to reduce the tax credit and extend it through 2021. For the Committee to revisit the tax credit this closely to the previous agreement would undoubtedly send a message to the businesses who have entered into agreements with dairy farmers to locate methane facilities on farm a message that we don't believe you intend.

The Dairy industry actively participated in the Dairy Air Quality Task Force when it was active in 2008. The Dairy Air Task Force recommendations included Best Management Practices which included the development and locating of anaerobic digesters for dairies. I can assure you, the dairy farmers of Oregon have worked very closely with the OSU Dairy Specialist to understand and deploy a lengthy list of best management practices under a voluntary regimen. You will find a full matrix of these voluntary practices attached to my testimony.

The Oregon Dairy Farmers Association supports the testimony offered by Leonard Bergstein on behalf of Threemile Canyon Farms which clearly articulates the environmental benefits including the reduction of greenhouse gases, improving air quality, reduction of odors, and their on farm energy generation.

ODFA is aware of a few of our members who have sited anaerobic digesters on their farms. I just recently learned that one of the farmers from Tillamook assigns his tax credit to the company that built the facility on his property as part of their agreement. The passage of HB 2853 could certainly present some difficulty for that dairy farmer.

Oregon's Dairy industry is diverse – from small to large, conventional to organic, but every dairy is represented in our membership. It is worth protecting and preserving and we encourage every tool continue to be made available to ensure fluid milk production continues in Oregon for generations to come.

The Oregon Dairy Farmers Association respectfully asks this committee to oppose HB 2853. Thank you for your time and courtesy.

Sources of emission on a dairy	Expected pollutants for each source in order of importance	Suggested BMPs for emissions reduction <u>Tier 1</u>	Suggested BMPs for emissions reduction Tier 2	Suggested BMPs for emissions reduction <u>Tier 3</u>
Nutrition	NH ₃ , CH ₄ , H ₂ S, N ₂ O	Properly manage level of dietary protein (%CP) in diet to match, rather than exceed, an animal's needs (NH ₃ , N ₂ O, Odor) Properly manage and minimize overfeeding sulfur in the diet (H ₂ S, Odor)	Practice group and/or stage of lactation feeding (NH ₃)	Increase the level or quality of starch in the diet (CH ₄) Utilize feed additives to maximize efficiency (NH ₃ , H ₂ S, CH ₄)
Feed Management	VOC, PM, Odor	Regularly remove spilled and unused feed from feeding area (VOC, Odor, PM) Manage or minimize the mixing of feed during windy times (PM)	Properly cover and manage ensiled feedstuffs (VOC, Odor)	Store feed in a sheltered storage structure (VOC, Odor, PM)
Milk Parlor	NH ₃ , VOC, Odor, H ₂ S	Use recycled parlor (clean) water used for flushing/cleaning parlor and holding area (NH ₃ , Odor) Ensure proper ventilation (NH ₃ , Odor, and PM)	Remove manure from parlor and holding area frequently (NH ₃ , VOC, Odor)	Treat recycled water used for flushing/cleaning holding area (NH ₃ , Odor)
Housing - Freestall Barns	NH ₃ , VOC, Odor, CH ₄ , H ₂ S	Remove manure from barns frequently (NH ₃ , VOC, Odor) Ensure proper ventilation of freestall barns (NH ₃ , Odor, and PM)	Bedding Selection and management (NH ₃ , H ₂ S, Odor) Manure removal technology and efficiency (NH ₃ , VOC, Odor)	Treat recycled lagoon water used for flushing (NH ₃ , Odor) Alleyway floor texture and type (NH ₃ , VOC, Odor) Manure removal technology and efficiency (NH ₃ , VOC, Odor)

Adopted from the Air quality management policy and BMPs for dairy operations report 2013, Yakima Regional Clean Air Agency

Suggested BMPs for Suggested BMPs for Suggested BMPs for **Expected pollutants** Sources of emissions reduction emissions reduction emissions reduction emission on a for each source in Tier 3 order of importance dairy Tier 1 Tier 2 Remove manure frequently (NH₃, Urease inhibitors (NH₃, N₂O) Spread (harrow) manure frequently PM) Incorporate wood chips in surface (NH₃, PM) NH₃, PM, Odor, Provide shade for cattle (NH₃, PM) layer (NH3, PM, Odor) Housing - Drylot H₂S, CH₄, VOC, Surface moisture content Sitting of water trough within pen Use straw bedding in drylot pens Pens management (NH₃, N₂O, VOC, Odor, (NH₃, PM) N₂O (NH3, PM, Odor) Knockdown and remove fence line CH₄, H₂S, PM) manure (VOC, Odor) Stock appropriate number of Move water and feeding Irrigate immediately after grazing Grazing animals (NH₃, N₂O) NH₃, N₂O areas frequently (NH₃, N₂O) (NH_3) Management Use rotational grazing (NH₃, N₂O) Installation of an anaerobic digester (CH₄) Manure solids separation (NH₃, Lagoon or storage covers VOC, Odor, H2S, CH4) Liquid: NH₃, H₂S, Surface aeration of lagoons (NH₃, H₂S, (NH₃, H₂S, VOC, Odor, CH₄) VOC) CH₄, Odor, VOC Properly manage the composting of Manure Storage Scrub Exhaust of enclosed solid manure (H2S, Odor, PM, CH4) Reduce the pH of manure (NH₃, CH₄) Solid: NH₃, H₂S, waste containers (CH₄, Odor Encourage purple sulfur bacterial PM, CH₄, Properly mange stockpiled manure H2S) formation in lagoons (H₂S, Odor) (H₂S, Odor, PM) Apply nutrients according to agronomic recommendations based on soil and Utilize cover crops (NH₃, N₂O, manure test results (NH₃, N₂O) PM Installation of windbreaks or NH₃, PM, Odor, Inject or incorporate fertilizer into soil **Land Application** shelterbelts (Odor, PM) within 24 hours of application (NH₃, Odor) N₂O Apply N fertilizer below no-till Do not over-irrigate (NH3, N2O)

Apply during cool weather and on still rather than windy days ((NH₃, Odor, PM)

residue (NH₃, PM)