



February 3, 2016

Representative Jessica Vega Pederson, Chair
House Committee on Energy and Environment
900 Court Street NE
Salem, Oregon 97301

RE: H.B 4036, Oregon Clean Electricity Plan

Dear Chair Vega Pederson and Members of the Committee:

Ormat Nevada Inc. (“Ormat”) is a leading geothermal company and the only vertically integrated company solely engaged in geothermal and recovered energy generation. With over five decades of experience, Ormat owns, operates, designs, manufactures, and sells geothermal plants primarily based on our patented Ormat Energy Converter technology.

Currently, Ormat owns a global clean energy portfolio of 666 MW (net) that is spread across the United States (California, Nevada and Hawaii), Guatemala and Kenya. In addition, Ormat either owns or has supplied power plants to utilities and developers worldwide, totaling to over 2,000 MW of gross capacity. Ormat is actively developing geothermal projects in Oregon.

Given our expertise in renewable energy development, our involvement in the geothermal industry, and our presence in the State of Oregon, Ormat fully supports H.B 4036, the Oregon Clean Electricity Plan. We are excited to see the State of Oregon phase out coal from its electricity mix while simultaneously increasing the state’s Renewable Energy Portfolio Standard to 50% by 2040. Geothermal is the most versatile renewable that can operate in both baseload and flexible modes, offering effective replacement of both baseload and peaking fossil fuel power plants.

We believe that H.B 4036 will not only promote economic development in the State of Oregon, but will also provide the citizens of Oregon with clean, safe, and environmentally-friendly power. This forward-looking bill recognizes the many benefits that the State of Oregon can experience, such as the development of more renewable energy projects, a healthier environment for the citizens of Oregon, and greater accessibility to clean energy for low-income communities.

It must be noted that the enactment of this legislation will demonstrate Oregon’s commitment and continued leadership to the furtherance of clean energy development. Such important action will be recognized across the United States.

Ormat is delighted to offer our full support of H.B 4036. We urge all the members of this committee to support H.B 4036 as well and to join us in making the State of Oregon a renewable energy leader.

Sincerely,

A handwritten signature in black ink, appearing to read "Josh Nordquist".

Josh Nordquist
Director of Business Development
Ormat Nevada Inc.

Power Plants Owned by Ormat

Q3 2015

Location	Project	Utility	Capacity (MW)*	Operational Since**	Application
Kenya	Menengai*	Kenya Power and Light Co. (KPLC)	35	under development	Geothermal
Honduras	Platanares† - Phase I	ENEE	18	under development	Geothermal
Indonesia	Sarulla	PT Perusahaan Listrik Negara (PLN)	330‡	under construction	Geothermal
Kenya	Olkaria III Complex - Plant 4	Kenya Power and Light Co. (KPLC)	24	under construction	Geothermal
Nevada, USA	Don A. Campbell – Phase 1	Southern California Public Power Authority	19	2015	Geothermal
Nevada, USA	McGinness Hills Complex	NV Energy	72	2012, 2015	Geothermal
Kenya	Olkaria III Complex - plant 1 & 2 & 3	Kenya Power and Light Co. (KPLC)	110	2000, 2008, 2013, 2014	Geothermal
Ormat Manufacturing Facility	Ormat Rooftops	Ormat	1.2	2014	Solar PV
Nevada, USA	Don A. Campbell - Phase 1	Southern California Public Power Authority	19	2013	Geothermal
Nevada, USA	Tuscarora	NV Energy	18	2012	Geothermal
Hawaii, USA	Puna Complex	Hawaiian Electric Light Co.	38	1992, 2004, 2012	Geothermal

* Ormat owns a 51% stake in the project company that will build, own and operate the project.

† Upon fulfillment of certain conditions, Ormat will hold the assets under a Build, Operate and Transfer (BOT) structure for approximately 15 years.

‡ Ormat owns 12.75% interest in the 330 MW Sarulla consortium

Location	Project	Utility	Capacity (MW)*	Operational Since**	Application
Nevada, USA	Jersey Valley	NV Energy	10	2011	Geothermal
California, USA	North Brawley	Southern California Edison	18	2010	Geothermal
Minnesota , USA	OREG III – GRE - CS13	Great River Energy	5.5	2010	REG on 1 Gas Turbine; Model RB-211
Colorado, USA	OREG IV – Peetz	Highline Electric Association	3.5	2009	REG on 2 Gas Turbines; Model Solar Mars 100
North Dakota, Minnesota & Montana, USA	OREG II – CS3, CS5, CS8, CS12	Basin Electric Power Cooperative	22	2008-2009	REG on Gas Turbine; Model RB-211
California, USA	Heber Complex	Southern California Edison & Southern California Public Power Authority	92	1985, 1993, 2005, 2006, 2008	Geothermal
Nevada, USA	Steamboat Complex	NV Energy	73	1988, 1992, 2005, 2007-2008	Geothermal
Guatemala	Amatitlan	Instituto Nacional de Electricidad (INDE)	20	2007	Geothermal
California, USA	Ormesa Complex	Southern California Edison	54	1987-1989, 2005-2007	Geothermal
Nevada, USA	Brady	NV Energy	18	1992, 2004, 2007	Geothermal
North Dakota and South Dakota, USA	OREG I – CS7, CS9, CS10, CS11	Basin Electric Power Cooperative	22	2006	REG on Gas Turbine; Model RB-211
Guatemala	Zunil	Instituto Nacional de Electricidad (INDE)	23	1999	Geothermal
California, USA	Mammoth Complex	Southern California Edison	29	1984, 1990	Geothermal

* In power plant owned by Ormat the capacity figure given is net to the grid at design point

** In power plants that were built in phases, the year of each new phase is indicated

Note: REG - Recovered Energy Generation