

## **SB 124 STAFF MEASURE SUMMARY**

### **Senate Committee On Energy and Environment**

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**Prepared By:** Beth Reiley, LPRO Analyst

**Sub-Referral To:** Joint Committee On Ways and Means

**Meeting Dates:** 2/16

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#### **WHAT THE MEASURE DOES:**

Establishes Renewable Hydrogen-Fueled Generator Grant Program (Grant Program) within Oregon Department of Energy (ODOE) to provide grants to fund replacement of backup electrical systems or generators that use diesel or fossil fuels with renewable hydrogen-fueled generators. Directs ODOE to prioritize awarding grants for buildings designated to provide emergency shelters; infrastructure, facilities and buildings related that provide critical public services; hospital and health care facilities; and infrastructure, facilities, and buildings used to provide utilities. Appropriates \$5 million from General Fund to Renewable Hydrogen-Fueled Generator Grant Fund. Directs ODOE to develop planning goals for development of hydrogen production and storage and other hydrogen-related infrastructure. Directs ODOE to incorporate planning goals into updated state energy strategy.

#### **ISSUES DISCUSSED:**

##### **EFFECT OF AMENDMENT:**

No amendment.

##### **BACKGROUND:**

Hydrogen is the most abundant element in the universe, but on earth it rarely occurs naturally in its pure state. Instead, hydrogen is usually combined with other elements such as oxygen or carbon. When produced from wind or other renewable resources, hydrogen can store carbon-free energy that can later be used to generate electricity or power vehicles. Currently, most hydrogen is produced from fossil fuels, specifically natural gas. Electricity—from the grid or from renewable sources such as wind, solar, geothermal, or biomass—is also currently used to produce hydrogen. According to the United States Department of Energy's Office of Energy Efficiency and Renewable Energy, in the longer term, solar energy and biomass can be used more directly to generate hydrogen.

Senate Bill 124 would establish the Renewable Hydrogen-Fueled Generator Grant Program (Grant Program) within the Oregon Department of Energy (ODOE) for the purpose of providing grants to fund the replacement of backup electrical systems or generators that use diesel or fossil fuels with renewable hydrogen-fueled generators. The Act would appropriate \$5 million from the General Fund to the Renewable Hydrogen-Fueled Generator Grant Fund.