

**MOTION**

The rapid development of technology allows Angelenos to dream about an exciting future for our planet. Whenever innovation, collaboration and leadership intersect, big ideas can lead to monumental change that has a lasting impact on the world.

In a recent report on OffTheGrid.com, a new method of environmental impact-free hydropower is being touted as a success in cities such as Portland, Oregon and Riverside, California. The state-of-the-art system uses small turbines inside of a city's water pipes, which generate electricity as they are turned by flowing water. They systems can produce power around the clock, since water is always flowing through pipes, and they offer an added benefit of producing electricity from renewable and sustainable hydropower without the negative environmental impacts caused by dams, such as impacts on fish populations.

According to the report, the systems are currently in use in Portland, Oregon and Riverside, California, where they are used to power streetlights. Though the small-scale nature of these in-pipe hydropower systems would not currently allow tremendous or immediate reliance on the emerging technology, the possibility of being able to produce clean and sustainable power - without environmental impacts - while moving water throughout Los Angeles presents a tremendous opportunity for Los Angeles.

As the Los Angeles Department of Water & Power prepares to replace and upgrade its aging pipes and water infrastructure, there is a unique opportunity to evaluate the application and potential benefits of such a system in Los Angeles.

**I THEREFORE MOVE** that the Los Angeles Department of Water and Power investigate possible applications and opportunities for in-pipe hydropower systems in Los Angeles and present their findings and recommendations for a pilot project within Los Angeles to the City Council within 45 days.



**MOVER:**



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**MIKE BONIN**

*Councilmember, 11th District*

**SECOND:**



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**ORIGINAL**