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| <b>Docket Number:</b>   | 16-OII-01   |
| <b>Project Title:</b>   | Order Instituting Informational Proceeding for Drought Executive Order B-37-16                        |
| <b>TN #:</b>            | 214205  |
| <b>Document Title:</b>  | Lotik Labs Comments on Order Instituting Informational Proceeding for Drought Executive Order B-37-16 |
| <b>Description:</b>     | N/A   |
| <b>Filer:</b>           | System  |
| <b>Organization:</b>    | Lotik Labs/Shane Eten   |
| <b>Submitter Role:</b>  | Public  |
| <b>Submission Date:</b> | 10/27/2016 8:32:23 AM   |
| <b>Docketed Date:</b>   | 10/27/2016  |

*Comment Received From: Shane Eten*

*Submitted On: 10/27/2016*

*Docket Number: 16-OII-01*

**RE: Docket #16-OII-01 - Order Instituting Informational Proceeding for Drought  
Executive Order B-37-16**

*Additional submitted attachment is included below.*

October 27, 2016

Commissioner Andrew McAllister  
California Energy Commission  
1516 Ninth Street  
Sacramento, California 95814

**RE: Docket #16-OII-01 - Order Instituting Informational Proceeding for Drought Executive Order B-37-16**

Dear Commissioner McAllister and California Energy Commission Staff,

Lōtik Labs appreciates the opportunity to provide regarding comments regarding implementation of drought Executive Order B-37-16 and Innovative Water Conservation and Water Loss Detection and Control Technologies. Lotik strongly supports Governor Brown and California Energy Commission's efforts to improve water efficiency and seek industry and stakeholder input on innovative opportunities for long-term improvement in water conservation.

Lōtik Technology, part of the Samsung Accelerator, has developed a point-of-use, non-intrusive, water monitoring solution that provides immediate water savings and associated energy and cost savings. Lōtik sensors are simple to install, as they clamp onto existing pipes and plumbing fixtures to measure water flow and quickly identify leaks. This allows for the measurement of flow and the identification of leaks at the appliance and fixture level (dishwasher, sink, toilet, shower, etc) - helping to significantly reduce both hot and cold water use. The cloud-based portal continually measures flow, detects anomalies, and increases savings by immediately alerting of water leaks and providing an understanding of appliance-level consumption.

In August 2015, California exceeded the Governor's Executive Order to reduce water reduction by 25% - reducing 27.3%. However, in August 2016 it slipped to a cumulative savings of 17.7% and multifamily properties only reduced water use by 6%. While there have been a number of conservative efforts to reduce water usage in urban centers, there is a need to identify accurate, cost-effectively methods to monitor and meter water to track usage and detect leaks, to further promote conservation for individual residential consumers and provide associated energy savings.

Specific suggestions for the Innovative Water Conservation and Water Loss Detection and Control Technologies workshop include:

- Provide opportunities for pilot programs to test and validate pre-commercial water monitoring and conservation technologies to help achieve the goals of Executive Order B-37-16.
- Develop a certification process for water sub-monitoring, as an alternative to water sub-metering, in order to help conserve water, identify leaks, and reduce energy-use from hot water consumption.
- Focus funding and program opportunities on the household and appliance level loss detection, in addition to the distribution level loss detection.

Thank you for the opportunity to provide these comments on the Innovative Water Conservation and Water Loss Detection and Control Technologies workshop. We look forward to working with California Energy Commission to develop programs and opportunities for innovative water/energy conservation technologies.

Sincerely,



Shane Eten  
Co-Founder  
Lōtik Labs