



## **THE EVOLVING ENERGY MIX IN A 21ST CENTURY UTILITY**

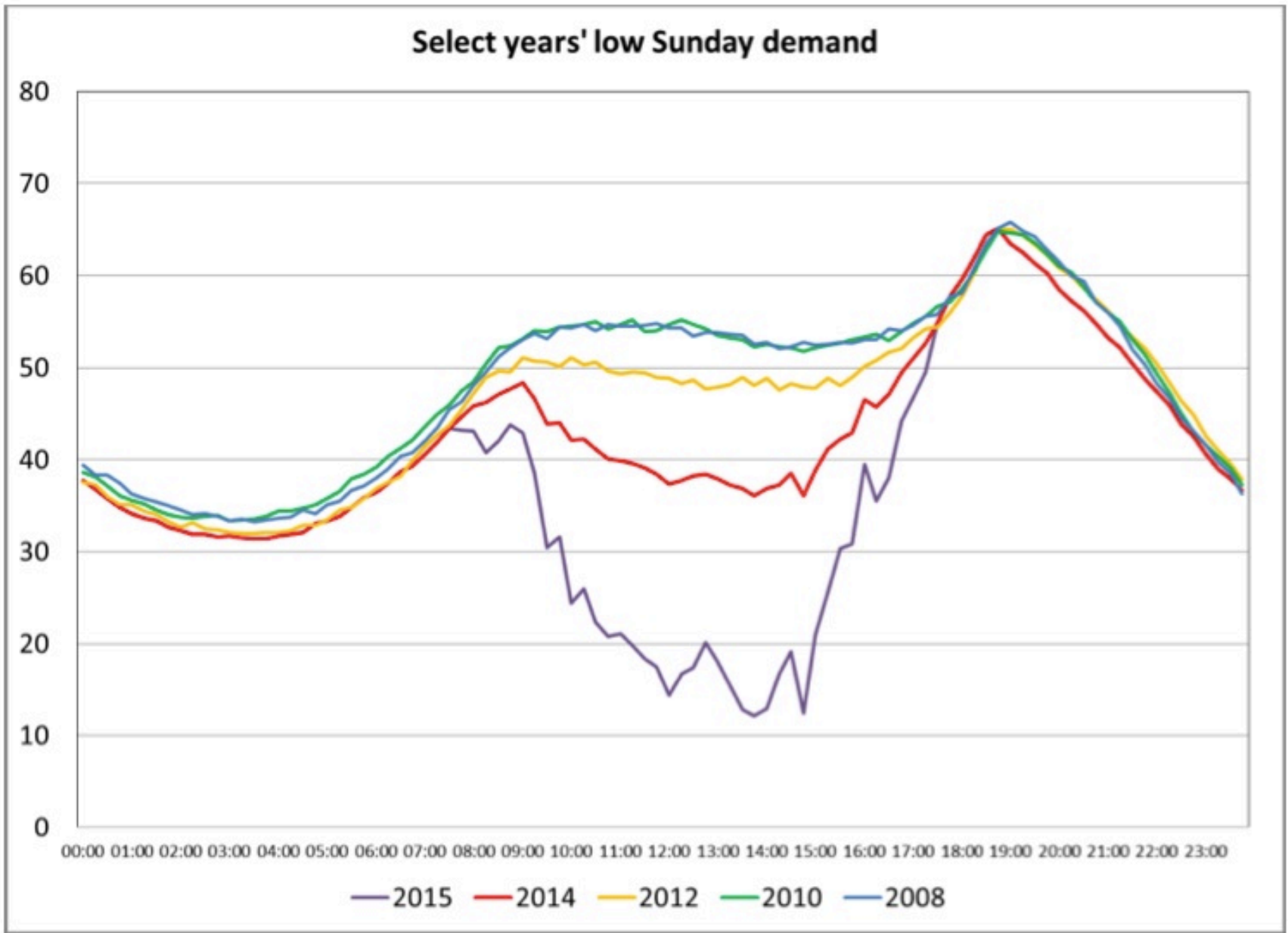
**Jay Griffin**, Policy and Research Director, Hawaii Public Utilities Commission, *Moderator*

**Jennifer DeCesaro**, Special Advisor, U.S. Department of Energy

**Ken Geisler**, Vice President of Strategy, Siemens Smart Grid, North America

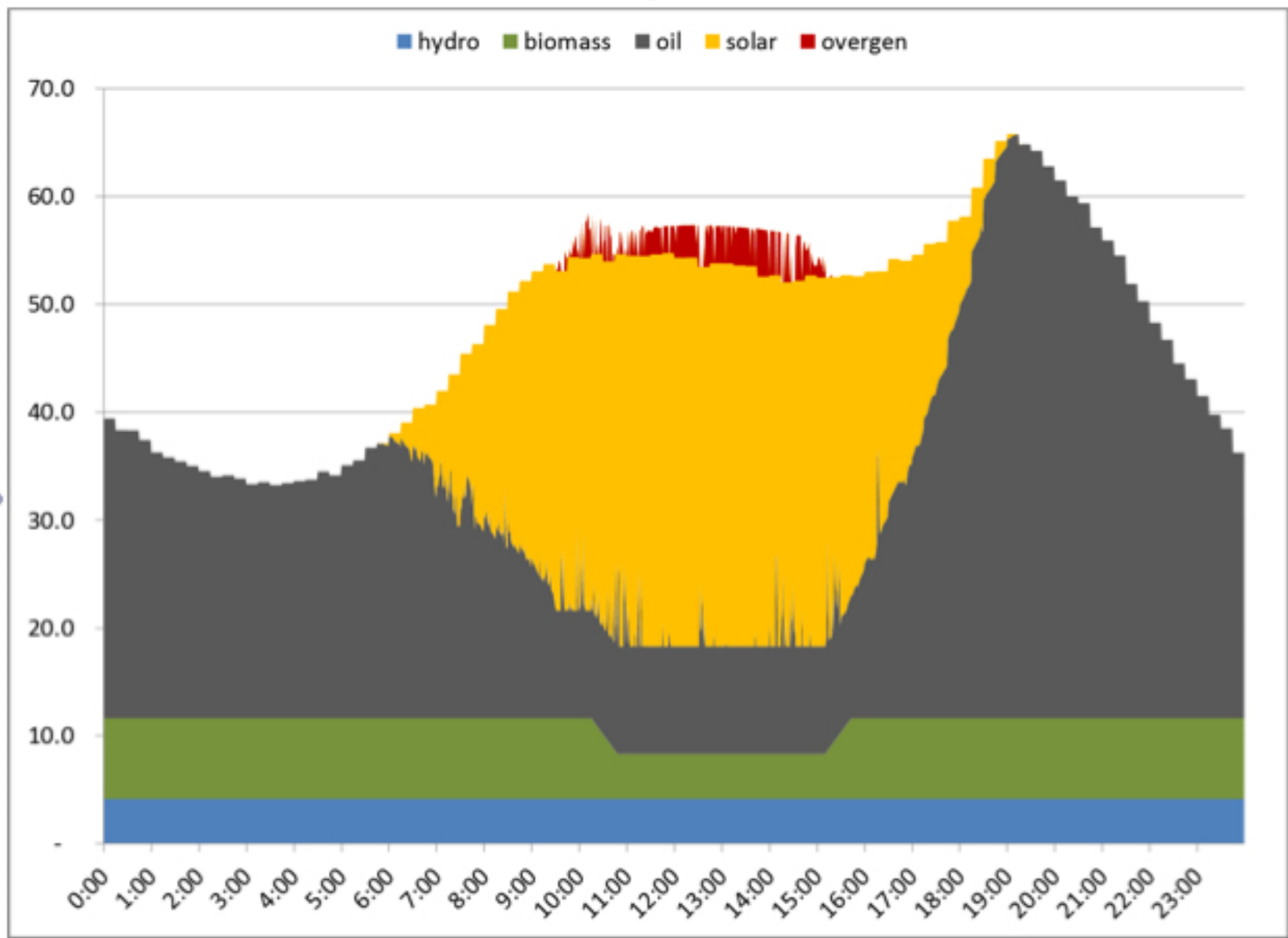
**Jonathan Koehn**, Regional Sustainability Coordinator, City of Boulder

**David Bissell**, President and CEO, Kauai Island Utility Cooperative



**Figure 1 - 2014 and earlier is actual data; 2015 is forecast (15 minute resolution)**

Source: KIUC Energy Storage Request for Proposals



**Figure 2 - 2015 Worst-case solar day (showing over generation in red)**

Source: KIUC Energy Storage Request for Proposals