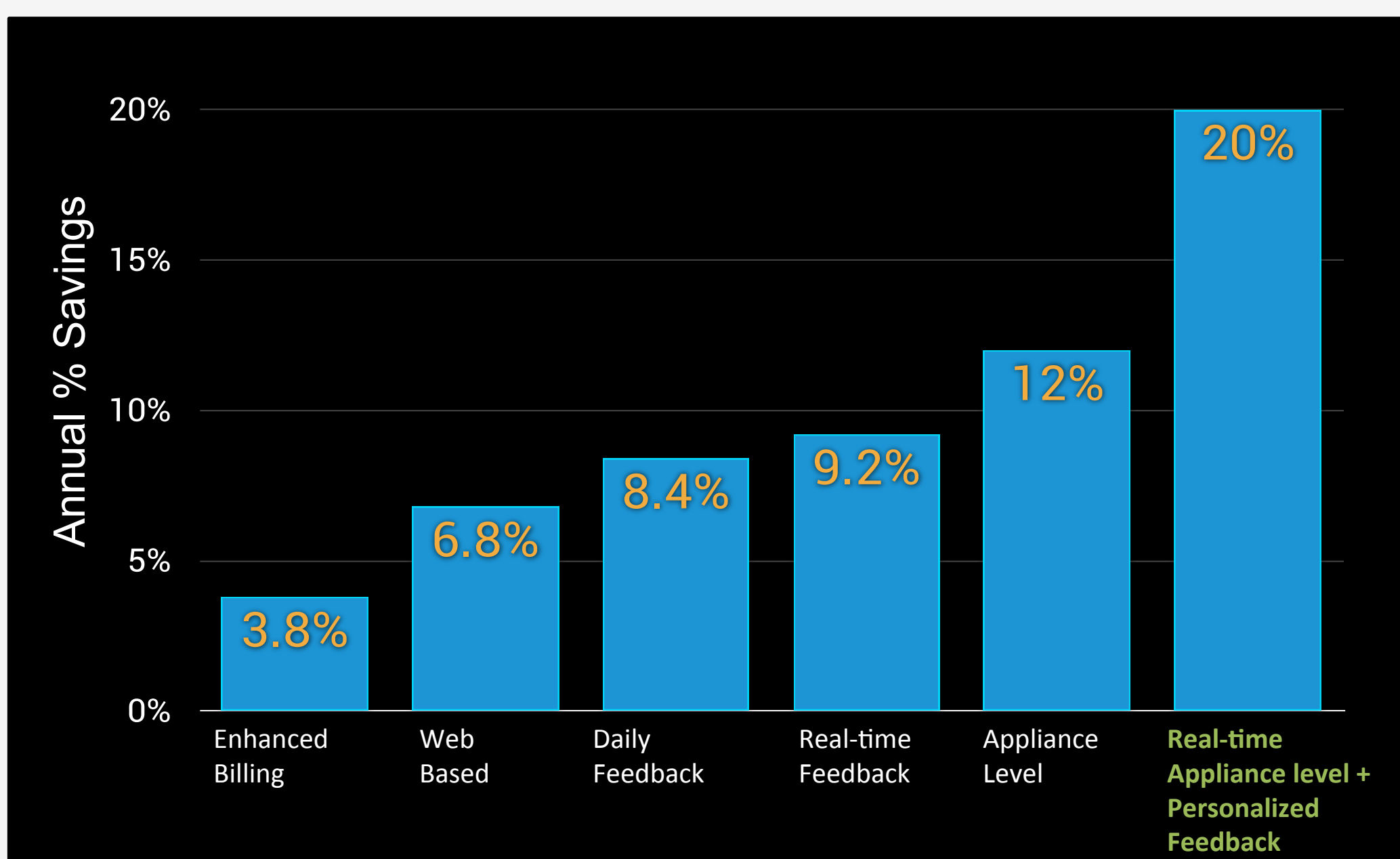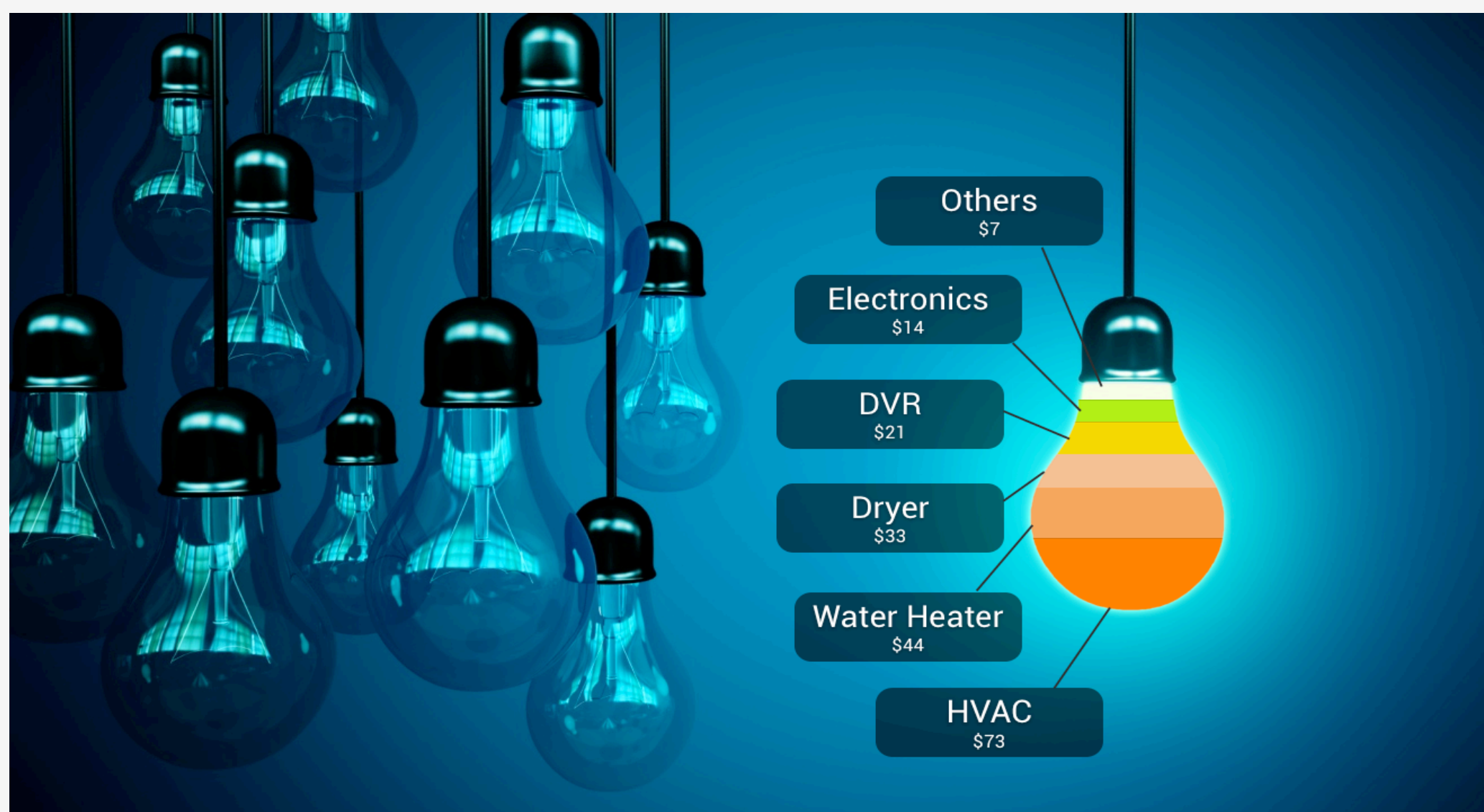# Real-Time Interactive Visualization of Disaggregated Energy Usage

Reducing home energy consumption by providing real-time appliance-level energy usage feedback

Motivation

- 24% of U.S. energy consumption in home
- Vastly misunderstood
- Not just 'visible' energy usage
- Real-time feedback reduces power usage by 20%

Features

- Aggregated visualization
- Appliance level visualization
- Real-time interaction
- Location-based comparison
- Personalized feedback

Future Work

- Develop mobile app
- Usability analysis
- Large-scale deployment
- Study of effectiveness

Eric Mullen   **Md Tanvir Islam Aumi**   **Will Scott**