



---

*U.S. and International Affiliates*

### **Smart Thermostat Dashboard**

#### *David Nita*

David Nita is an Intern in the Pricing and Contracts group at TVA. He studies Computer Science at Vanderbilt University. David works on process optimization, data analytics and visualization, and programming support functions. Specifically, David focuses on providing analytics solutions for tracking the effectiveness of TVA's customer facing programs.

#### *Nick Lewis*

Nick Lewis is expecting to graduate in May from the University of Evansville with a Bachelor's degree in Statistical and Data Sciences and Applied Mathematics with a Specification in Computer Science. He worked as an intern in TVA's IT organization during summer 2019 and has been interning with the Commercial Energy Solutions Analytics team since May 2020. In his free time, he enjoys hiking opportunities across the Tennessee Valley.

#### *Sevaughn Orr*

Sevaughn Orr is expecting to graduate in May from the University of Tennessee at Chattanooga with a Bachelor's degree in Computer Science with a concentration in software systems. He worked as an intern in TVA's Pricing & Contracts team in the summer of 2020 and has been working in the Database Management team since March 2021. In his free time, he enjoys playing guitar.

#### *John Draper*

John Draper is expecting to graduate in December from the University of Tennessee at Chattanooga with a Bachelor's degree in Computer Science, with a focus on software systems and a minor in Business Administration. He has been interning with the Commercial Energy Solutions Analytics team since January 2020. In his free time, he enjoys dog-sitting, going to the park, and reading science fiction.

### **Is an EV annual load bigger than a breadbox?**

#### *Bryan Russo*

Bryan Russo is an analyst/engineer within Tacoma Power's Customer Energy Programs Group since 2013. Within this group, he provides a jack-of-all-trades support ranging from developing customer energy conservation projects to internal process improvement initiatives. Prior to Tacoma Power, he was with the Dept. of Energy's Pacific Northwest National Laboratory for five years and focused on facility energy conservation and renewable energy feasibility studies. While not tinkering around with analysis, Bryan enjoys the Pacific Northwest, backpacking, skiing, board games, and camper van building.



---

*U.S. and International Affiliates*

### **Are More Data Always Better? – Sampling Versus Census Analysis for Class Load Estimation**

*Curt Puckett, Vice President, DNV Energy Insights*

Curt began his load research career in 1979 when he joined Consumers Power as a “rate analyst” working on their controlled service experiments – early demand side management portfolio. He left Consumers in 1989 when he joined Dr. Roger L Wright to form RLW Analytics. Curt served in various roles at RLW heading the East Coast operation and eventually was named President and CEO in 2005. KEMA acquired RLW in 2009 where Curt continued his dedication to the area of interval load analytics. KEMA was acquired by Det Norske Veritas (DNV) in 2012 where today Curt is Vice President of Key Initiatives that is focused on helping utilities extract operational value from their AMI data streams. In 2021 Curt was awarded the Lifetime Achievement Award by the AEIC Load Research & Analytics Committee. You can join Curt and colleagues as he facilitates the AEIC Advanced Applications in Load Research which is being planned for later this fall.

### **Peak Demand Reduction and Bill Savings of High Efficiency Residential Air Conditioners**

*Isaiah Cottengaim*

Isaiah received his Masters of Science in Statistics from New Mexico State University where he focused on the mathematics of common statistical models used in research. Isaiah joined Load Research at Salt River Project in early 2019 and has worked primarily on the system load implications of widespread electric vehicle adoption and the demand reduction benefits of high efficiency AC units. Isaiah enjoys writing music and playing video games with his wife in his free time.

### **Load Analysis for Distribution Planning – Applied Examples**

*Josh Bode*

Josh Bode is a Partner with Demand Side Analytics. He specializes in advanced applications of data analytics using large volumes of hourly and sub-hourly data for evaluation, valuation, planning, and forecasting in the energy sector.



---

*U.S. and International Affiliates*

**Towards customer-centric energy utilities with granular, data-driven and bottom-up customer analytics**

*Steve Heinen, Energy System Analytics Manager*

Steve Heinen is Energy System Analytics Manager at Vector Limited and a World Energy Council (WEC) Future Energy Leader. He received a Ph.D. degree in electrical engineering at University College Dublin (UCD), Ireland in 2017, a master's degree (MSc ETH) in mechanical engineering from the Swiss Federal Institute of Technology (ETH Zurich), Switzerland in 2009 and a Master's degree in energy economics from Paris-Dauphine University, France in 2010. He previously worked at the International Energy Agency on smart grids, flexible energy systems and integration of variable renewable energy sources.

*Jake Cherrie, Data Scientist*

Jake Cherrie is a Data Scientist at Vector Limited. He received a BSc (Hons) in physics and applied mathematics at the University of Auckland, New Zealand in 2015. He has previously worked as a data science consultant and modelling analyst across a range of industries.

*Rafferty Parker, Data Scientist*

Rafferty Parker is a Data Scientist for Vector Limited. He received a master's degree in energy science and technology, and a postgraduate diploma in energy studies from the University of Otago (New Zealand). He previously worked in the green building sector.