

**Energy Efficiency Advisory Group (EEAG)
Notes May 1, 2018**

Present:

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| Kent Hanway-CSHQA | Don Strickler-Simplot |
| Ken Robinette-South Central Comm. Action Partnership | Tina Jayaweera-Northwest Power & Conservation Council-on phone |
| Stacey Donohue*-Idaho Public Utilities Commission | Selena O'Neal-Ada County Operations |
| John Chatburn-Office of Energy & Mineral Resources | Sid Erwin-Idaho Irrigation Pumpers Association |
| Connie Aschenbrenner-Idaho Power | Pete Pengilly*-Idaho Power |
| Haley Falconer-City of Boise Public Works Department | |
| Diego Rivas-Northwest Energy Coalition-on phone | |

Not Present:

Jim Hall-Bodybuilding.com
Ben Otto-Idaho Conservation League
Nadine Hanhan-Public Utility Commission of Oregon

Guests and Presenters*:

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| Quentin Nesbitt*-Idaho Power | Cory Read-Idaho Power |
| Tracey Burtch*-Idaho Power | Ariel Minter-Idaho Power |
| Shelley Martin-Idaho Power | Andrea Simonsen-Idaho Power |
| Billie McWinn*-Idaho Power | Annie Meyer*-Idaho Power |
| Gary Grayson-Idaho Power | AJ Freeman-Idaho Power |
| Todd Greenwell-Idaho Power | Dan Axness-Idaho Power |
| Chellie Jensen-Idaho Power | Chris Pollow-Idaho Power |
| Jerry Peterson-Division of Building Safety | Kevin Keyt-Idaho Public Utilities Commission |
| Denise Humphreys-Idaho Power | Brittany Nixon-Idaho Power |
| Randy Thorn-Idaho Power | Bryan Wewers-Idaho Power |
| Phil DeVol-Idaho Power | Lynn Tominaga-Idaho Irrigation Pumpers Association |
| Tonja Dyke-Idaho Power | Mindi Shodeen-Idaho Power |
| Sheree Willhite-Idaho Power | Katie Pegan-Office of Energy and Mineral Resources |
| Cassie Koerner-Idaho Public Utilities Commission | Yao Yin-Idaho Public Utilities Commission |
| Mark Rehley*-Northwest Energy Efficiency Alliance | Jennifer Light*-Northwest Power and Conservation Council |
| Craig Williamson*-DNV-GL | Shawn Bodmann*-DNV-GL |
| Mike Alvarado-Bonocore | Sonexay Sengmany-City of Boise |

Note Takers:

Shawn Lovewell (Idaho Power) with Kathy Yi (Idaho Power)

Meeting Facilitator: Rosemary Curtin-RBCI

Meeting Convened at 9:38 am

Pete started the meeting with housekeeping and emergency items, introduction of two new members; Hayley Falconer and Selena O'Neal, EEAG members and guests. There were no comments or questions on the February notes. Pete stated that due to the timing of the earnings release, the financial information will not be presented at this meeting. Those documents will be emailed to members later in the week. Tracey Burtch provided two updates regarding account and outage alerts.

9:44 am-2017 Evaluations—Craig Williamson & Shawn Bodmann-DNV GL

Craig introduced himself and Shawn. Several programs were evaluated during 2017, based on program year 2016. The three Commercial and Industrial programs had process evaluations. An impact and process evaluation were done for Residential Heating & Cooling Efficiency (H&CE) and the Residential Home Energy Audits (HEA) had an impact evaluation. Craig and Shawn covered the evaluation objectives, method highlights, and detailed findings for each program.

There were questions and comments regarding the benchmarking of program incentives, the evaluation schedule for programs, tracking or testing of the effectiveness of marketing, and how and when the evaluation findings get incorporated into programs.

11:20 am-Idaho Public Utilities Commission—Stacey Donohue-Idaho Public Utilities Commission

Stacey provided an overview of the Idaho Public Utilities Commission (IPUC). Her presentation covered the history of the IPUC, who it regulates, what the regulatory compact is, what the role of the commission is, how regulatory cases are processed (including the roles of interveners and the Commission staff, and how the IPUC makes its decisions). Stacey also discussed the IPUC's role regarding demand side management (DSM).

Connie briefly explained the differences between energy efficiency program management in the Company's Oregon and Idaho jurisdictions. In Oregon, Idaho Power must file tariff schedules and receive approval from the Public Utility Commission of Oregon on program changes. In Idaho, the Company is not limited by tariff schedules; however, it files an annual prudence determination with the IPUC for authority to recover program costs from customers. The Company appreciates the valuable input received from members of EEAG.

12:00 Lunch

1:00 Meeting Reconvened

1:00 pm-Regional Technical Forum Overview—Jennifer Light-Regional Technical Forum

Jennifer provided an overview of the Regional Technical Forum (RTF). It included the origins of the RTF, the role of the RTF and its organization, what functions the RTF performs, the structure of the Subcommittees, and the processes of measurement development.

Jennifer also focused on residential lighting and the key parameters that are used to establish savings. The presentation included the current practices and market data for establishing baseline savings, estimating savings over time, and the inclusion of federal standards.

Idaho Power helps fund the RTF and has a representative on the RTF.

2:01 pm NEEA, Emerging Technology, and RETAC—Mark Rehley-NEEA

Mark provided information on the Northwest Energy Efficiency Alliance (NEEA), the vision and mission of NEEA and their role on behalf of the numerous companies in the northwest region that they work with. Their

work is mostly done with manufactures and supply chains and not with end users. Their goal is to look for products that deliver the same value while also using less energy and eventual market transformation.

Mark explained the Regional Emerging Technology Advisory Committee (RETAC) was established in 2010 and provides a regional view, a consistent approach to research and development, and provides product readiness assessment.

Idaho Power has representation on the RETAC and has since its inception.

3:17 pm Programs Update—Quentin Nesbitt & Billie McWinn

Commercial/Industrial Programs:

Energy Saving Kits for Businesses:

All Idaho EEAG members received a small office energy saving kit for use at their respective office buildings. These kits were developed with input from EEAG to target Idaho Power's small business customer, and in addition to the small office kit, a kit for restaurants and small retail were created (the contents of the kit vary by type). The program will be launching in a week, and generally small business customers are contacted by the company's Customer Solutions Advisors and Customer Representatives. Kits include surveys and flyers providing information on Idaho Power's energy efficiency programs. Information gathered from the surveys along with savings numbers from the RTF will be used for cost effectiveness.

School Cohort:

EEAG was asked for input if Idaho Power should continue with year two of the School Cohort. EEAG expressed appreciation that the company is looking at ways to improve and continue this program. A comment was made that the Boise School District was happy to participate in this cohort and are looking forward to year two. The consensus of EEAG was that Idaho Power should continue the School Cohort for year two.

C&I Energy Efficiency Program:

Quentin presented some changes for prescriptive measures that will be made to the commercial & industrial programs that are based on code changes, savings, measure costs, market acceptance, and cost effectiveness.

Residential Programs:

Billie led a discussion on the A/C Cool Credit program non-communicating switches and provided an update on the Home Energy Reports.

At the EEAG meeting in February the group discussed a limited number of non-communicating devices that were identified in the A/C Cool Credit program, and Billie committed to bring back a plan for testing the non-communicating devices. She provided detailed information of the testing protocol, which would result in participant removal as a last resort, and asked for feedback from EEAG on the new protocol.

There were questions and comments regarding the current process to work with customers on non-communicating devices and the process the company goes through to determine unknown causes. EEAG was in favor of Idaho Power moving forward with the new protocol.

4:22 pm-Wrap Up/Open Discussion

- It was a long day filled with great presentations. The educational presentations were great. These presentations would be great for new members.
- There was a lot of great information which helps the group to help Idaho Power work on finding cost effective savings.
- The variety of educational topics were appreciated.
- It was a great day for new members to start because of the updates and educational material.
- Great educational presentations. Thanks to all the out of town presenters for speaking to the group, it's great to have the experts explain what their organizations do.
- The program content was informational and helped the group understand what the organizations do. These topics would be a great "boot camp" to help get new members up to speed.
- Appreciated the educational topics and getting updates on what has happened since the last meeting.

4:40 pm Meeting Adjourned