Conservation Potential Assessment

Today’s meeting is an informational

• RCW 19.285 directs utilities to identify two-year conservation targets and ten-year plans

• WAC 194.37 identifies public notice requirements which were followed

• December 4, 2017 Publicly Noticed Meeting:
  • Propose formal adoption of 2018/2019 target and ten-year plan
  • Propose amending 2016/2017 CPA due to a mathematical error found by CPA consultant (Change of 0.12 from 1.66 aMW to 1.78 aMW)
Identifying the two-year target and ten-year plan

- Applied Energy Group conducted the analysis
- Instead of relying only on regional data or phone surveys, the 2018/2019 CPA uses actual building and audit data
  - 1,200 Commercial audits
  - ~450 Residential audits
- Incorporates changes in the energy market
- Consistent with NW Power Council methodology
- Available on the District’s website, ChelanPUD.org
Annual Energy Efficiency Achievements

15 aMW Total Savings Over 8 Years

Average MW

2010: 1.97
2011: 1.41
2012: 1.69
2013: 2.56
2014: 1.71
2015: 1.95
2016: 2.04
2017: 1.13
2018: 0.33
2019: -

Legend:
- Remaining
- Annual kWh Saved
- CPA
Expected contribution by sector is changing

2016-17 Estimated Percent Savings by Sector

- Residential: 17%
- Industrial: 16%
- Commercial: 63%
- Regional Program: 4%

CPA’s 2018-19 Percent Savings by Sector

- Residential: 31%
- Commercial: 36%
- Distribution Efficiency: 1%
- Street Lighting: 9%
- Irrigation: 4%
- Industrial: 19%
Biennial Target and Prorata Share of Ten-Year Conservation Potential

Biennial Target
2.42 Total aMW

Cost=~$16.5/MWh

TRC Achievable Economic Potential (aMW)

2018 2019 2020 2021 2022 2023 2024 2025 2026 2027
In Summary

• The CPA was developed consistent with RCW 19.285

• Additional market values and Chelan County specific data increased the target over the last compliance period

• December 4th Publicly Noticed Meeting
  • Request Board of Commissioners action on proposed two-year target and ten-year plan, and
  • Amend 2016/2017 compliance target
Comments or questions?