

Clean Energy Implementation Plan

OCTOBER 21, 2021

CITY OF ELLENSBURG



Clean Energy Transformation Act (CETA)

- Signed into law in 2019, RCW 19.405.010
- CETA requires 100% clean energy in Washington State by 2045
- CETA includes requirements for:
 - Equitable distribution of energy benefits and reduction of burdens to vulnerable populations and highly impacted communities
 - Long-term & short-term public health, economic & environmental benefits
 - Reduction of costs and risks
 - Energy Security and resiliency

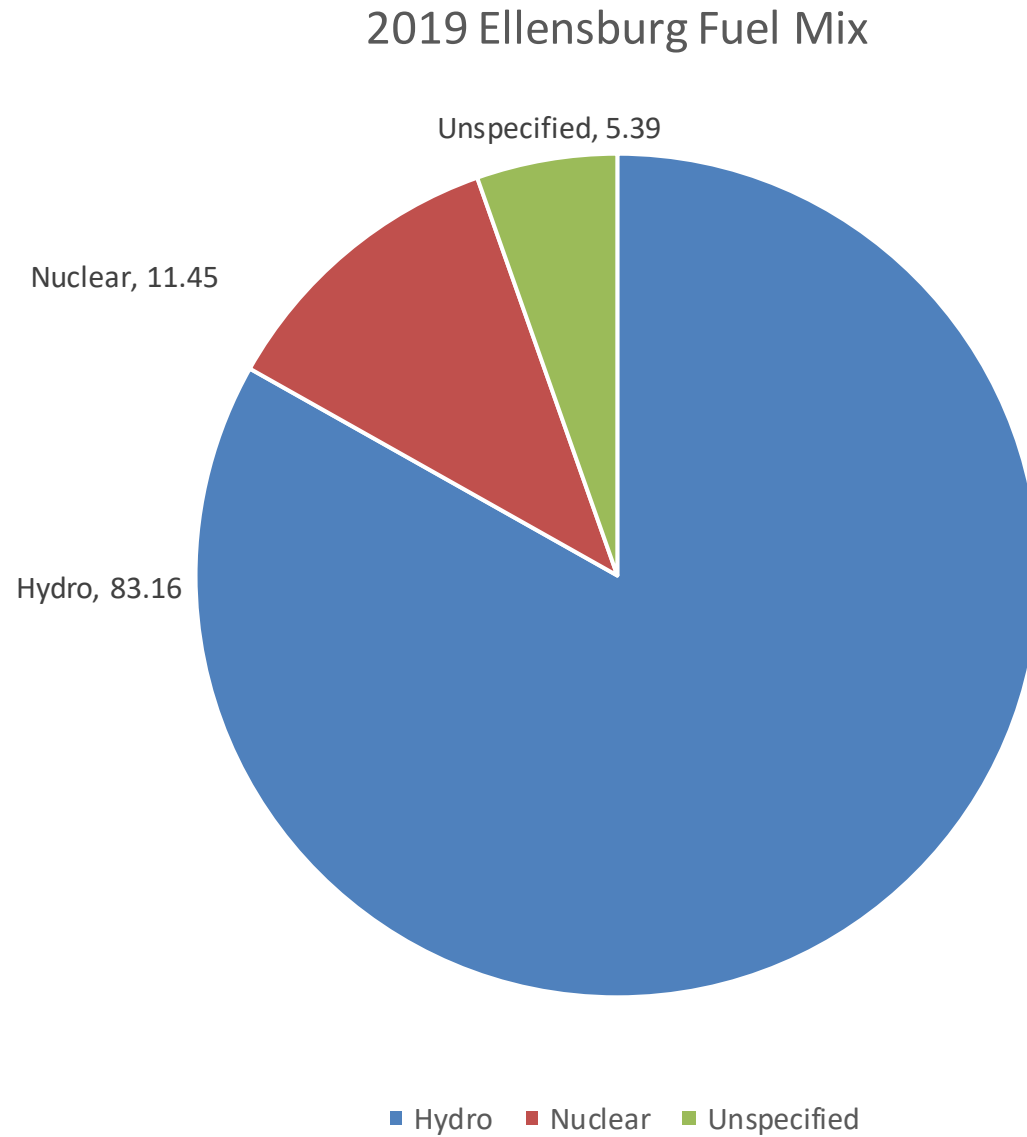
CETA Overview

- [Clean Energy Transformation Act \(CETA\)](#) was signed into law in May 2019
- RCW 19.405.010
- Applies to all electric utilities serving retail customers in Washington
- Requires utilities to transition to clean, renewable and non-emitting resources
 - 2025- Eliminate coal-fired generation serving Washington state customers
 - 2030- All retail sales of electricity must be greenhouse gas (GHG) neutral
 - Up to 20% of retail sales may be from emitting resources offset by alternative compliance
 - 2045- All retail sales of electricity must be from renewable or non-emitting resources

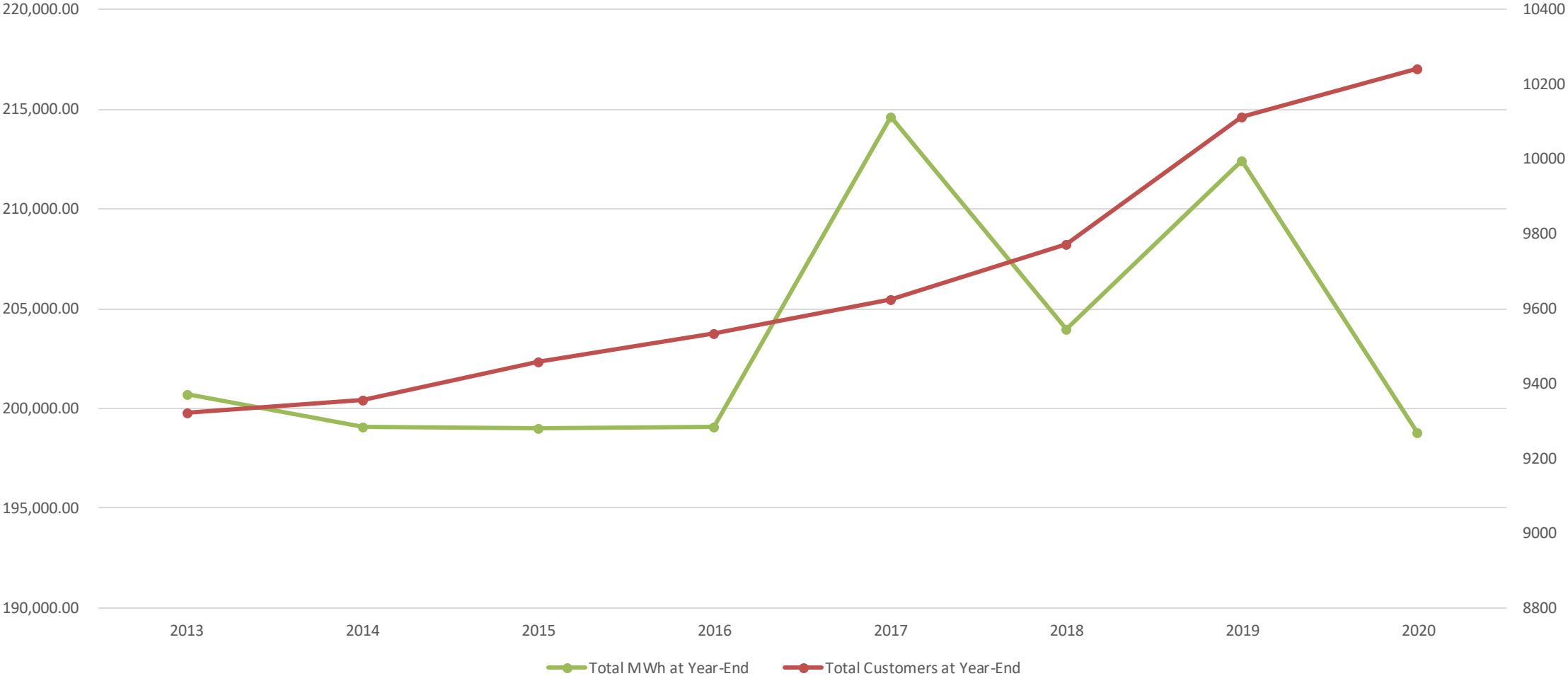
Upcoming Timeline

- January 1, 2022
 - CEIP
 - Resource Adequacy Standard (NW Power Pool & BPA)
- July 1, 2022
 - Fuel Mix Report, with greenhouse gas emissions
- July 31, 2022
 - Energy Assistance Program data submission

2019 City of
Ellensburg Fuel Mix
> 94% Carbon Free



City of Ellensburg Total Customers and MWh at Year-End



Clean Energy Implementation Plan (CEIP)

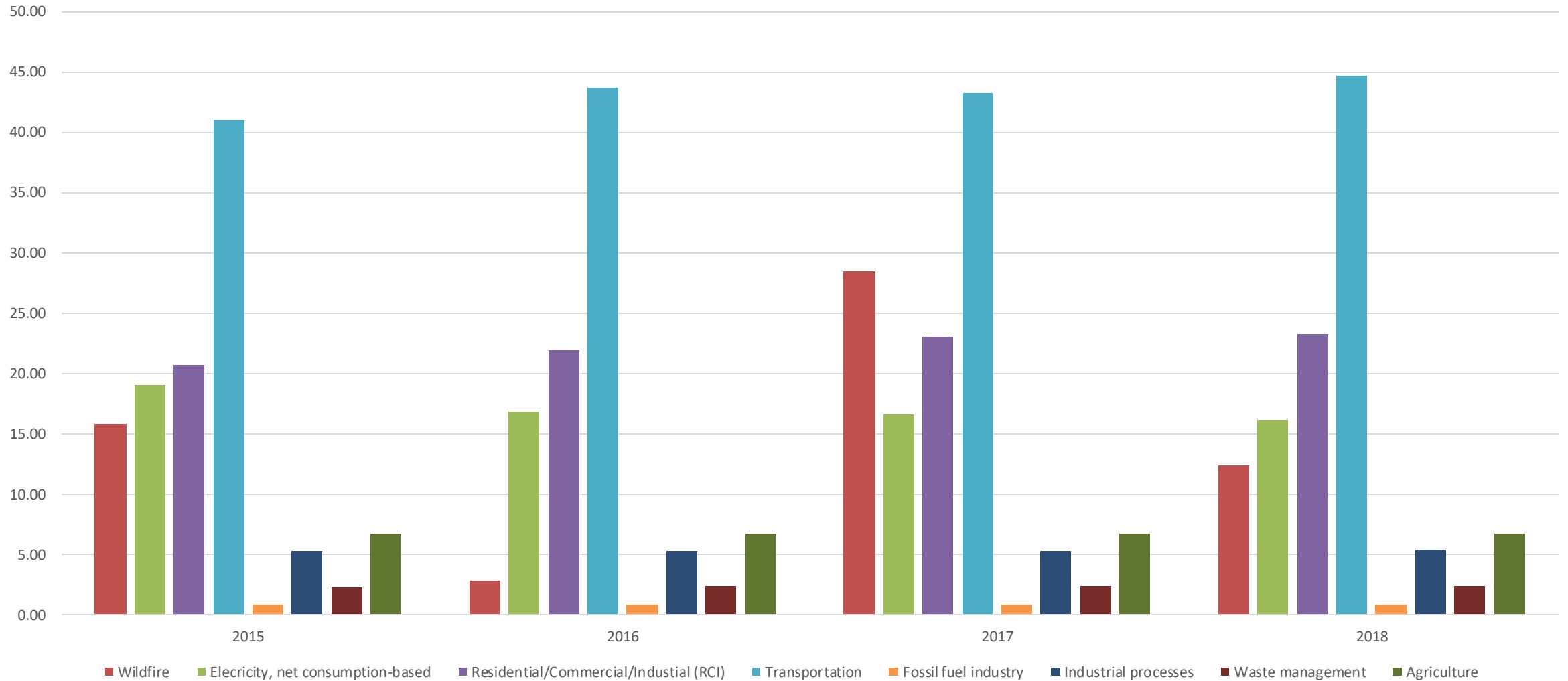
Due by January 1, 2022

- Reporting template recently released by Department of Commerce

Near-term four-year action plan must include:

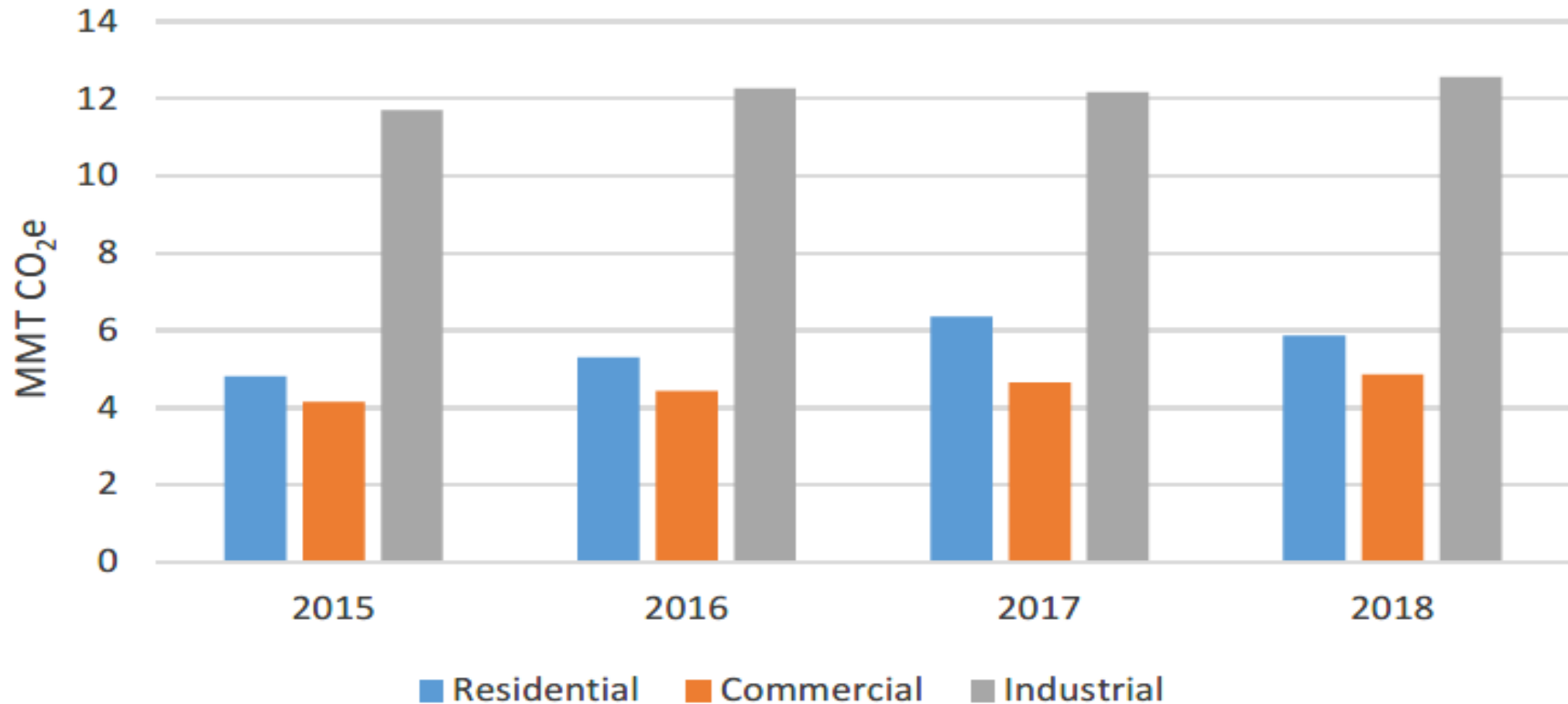
- Clean energy strategy with proposed specific actions for years 2022-2025
- Specific actions to ensure equitable transition
- Identify highly impacted communities & vulnerable populations
- Energy efficiency and demand response targets
- Resource Adequacy standard (NW Power Pool & BPA)

Washington Greenhouse Gas Emissions (metric tons of CO2) 2015 - 2018



<https://ecology.wa.gov/Air-Climate/Climate-change/Greenhouse-gases/Greenhouse-gas-reporting/Inventories>

RCI GHG Emissions (MMT CO₂e)



<https://ecology.wa.gov/Air-Climate/Climate-change/Greenhouse-gases/Greenhouse-gas-reporting/Inventories>

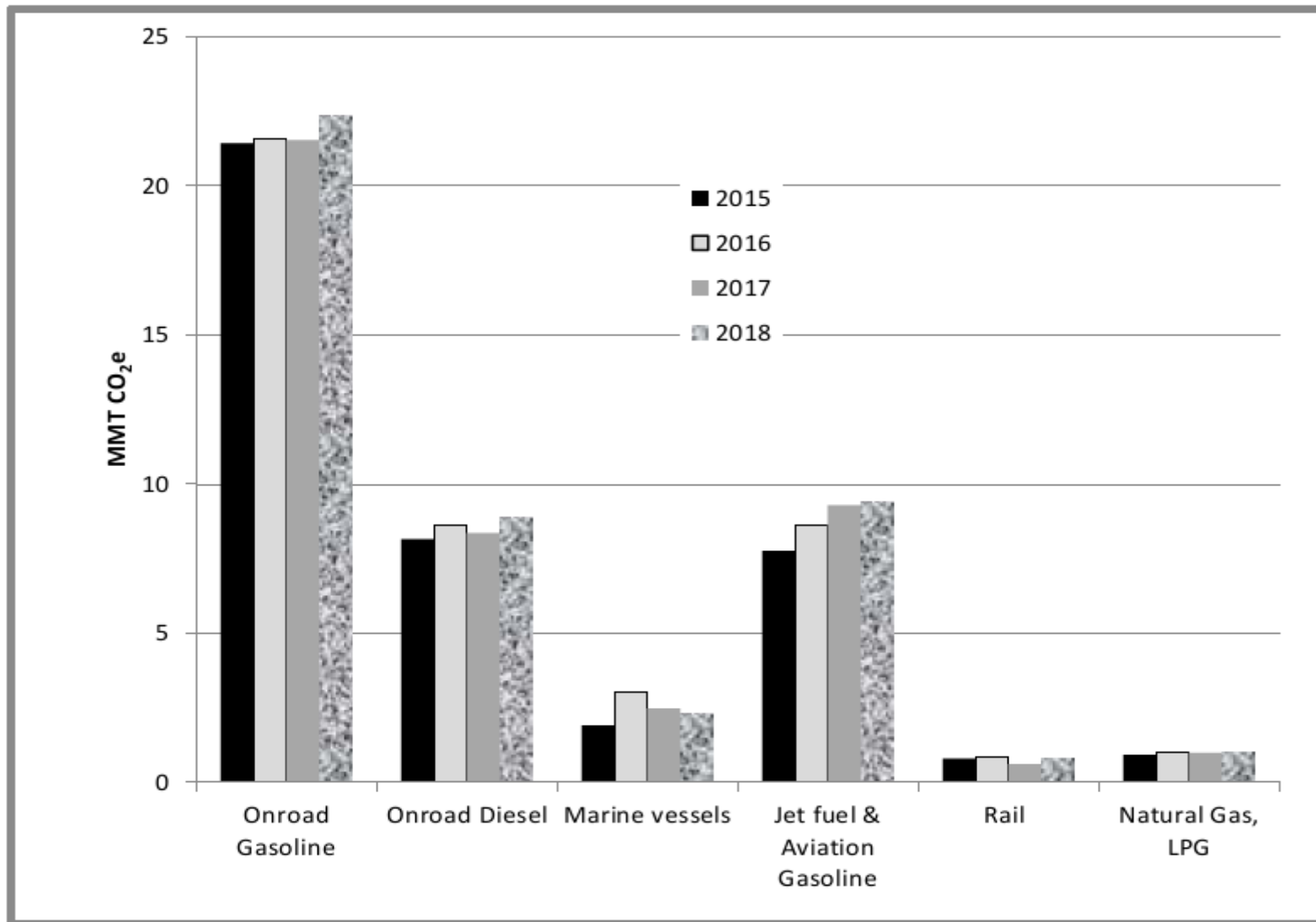


Figure 5: Greenhouse Gas Emissions - transportation sector subcategories (MMT CO₂e)

<https://ecology.wa.gov/Air-Climate/Climate-change/Greenhouse-gases/Greenhouse-gas-reporting/Inventories>

City of Ellensburg Census Information*

- City of Ellensburg Population – 21,579
- City of Ellensburg Households – 7,839
- 30.9% poverty rate (~2,422 homes)
- 74% Single family homes (1 – 4 units)
- 25% Multi-family Buildings (5+ units)
- 1% Mobile home, Boat, RV, Van, etc.
- Owner-occupied – 2,693
- Renter-occupied – 5,146
- 65% Electric heated homes
- 33% Gas heated homes
- 2% Wood or other heat source

<https://www.census.gov/acs/www/data/data-tables-and-tools/data-profiles/>

<https://www.census.gov/quickfacts/ellensburgcitywashington#qf-flag-X>

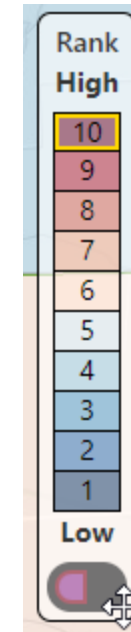
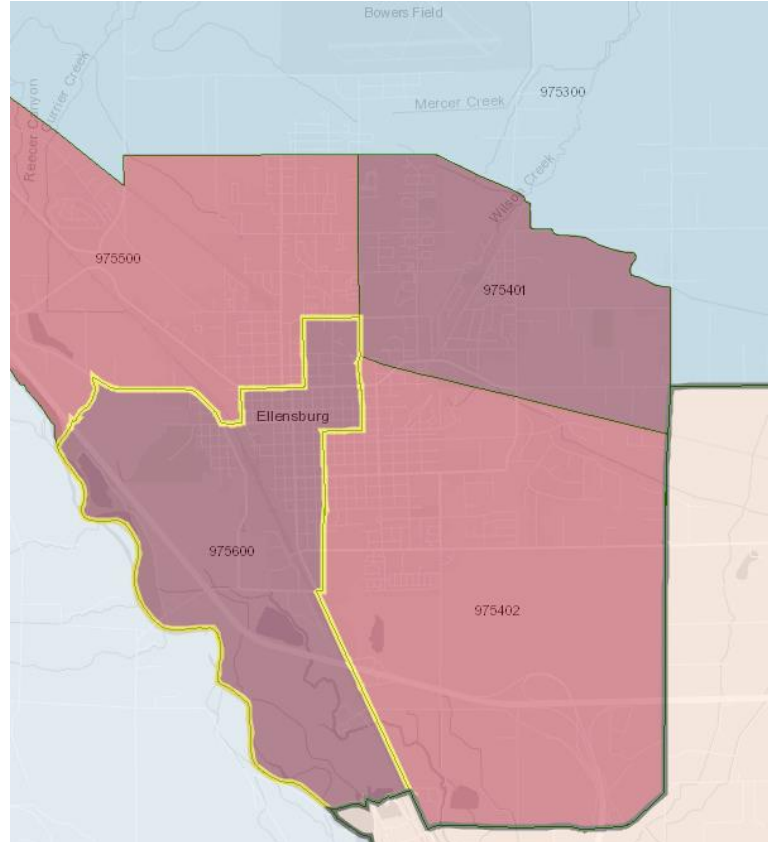
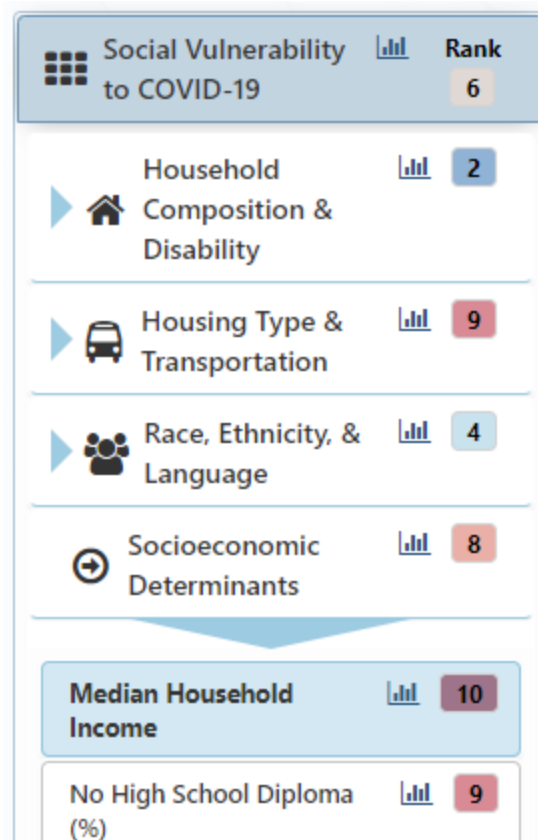
*2019 ACS
5-year
estimates

Identifying Highly Impacted Community/Vulnerable Populations

Highly impacted community - means a community designated by the department of health based on cumulative impact analyses in RCW 19.405.140 or a community located in census tracts that are fully or partially on "Indian country" as defined in 18 U.S.C. Sec. 1151."

Vulnerable populations – Communities that experience a disproportionate cumulative risk from environmental burdens due to Adverse socioeconomic factors, including unemployment, high housing and transportation costs relative to income, access to food and health care, and linguistic isolation; and sensitivity factors, such as low birth weight and higher rates of hospitalization."

City of Ellensburg Highly Impacted Community / Vulnerable Populations



<https://fortress.wa.gov/doh/wtn/WTNIBL/Map/SV2COVID>

Vulnerable Populations in City of Ellensburg Service Area

- Lead Risk from Housing
- Low Birth Weight Combined
- No High School Diploma
- Population living in poverty $\leq 185\%$ of FPL
- Proximity to Risk Management Plan (RMP) Facilities
- Transportation Expense
- Unaffordable Housing ($>30\%$ of income)
- Ranking 9 or 10 on WTN map provided by Washington State Department of Health
- Five (5) Census tracts include City of Ellensburg and Kittitas county households

CETA Energy Assistance

RCW 19.405.120

- Electric utilities must make energy assistance programs and funding available to low-income households by July 31, 2020
- CETA has targets for the reduction of the energy burden of low-income households.
 - “Energy burden” means the share of annual household income used to pay annual home energy bills. Washington State set the energy burden threshold at 6%
 - “Energy assistance need” means the amount of assistance necessary to achieve a level of household energy burden established by the department or commission
 - “Low-income” means household income does not exceed the higher of 80% of area median household income (AMI) or 200% federal poverty level (FPL), adjusted for household size.

CETA Energy Assistance, Continued

RCW 19.405.120

Electric utilities must make progress in their energy assistance programs:

- 60% of the current energy assistance need OR
- Increasing energy assistance by 15% over the amount provided in 2018, whichever is greater by 2030
- 90% of the current energy assistance need by 2050

Existing City of Ellensburg Energy Assistance Programs

Low-income rate for qualifying customers – 50% of daily service charge and 50% of residential rate for all utilities

- The low-income rate is subsidized by all other rate payers
- Qualified disabled citizens have a combined household income at or below 125% of federal poverty level and qualifying disability
- Qualified senior citizens are 65 years of age or older and at or below 125% of federal poverty level
- Energy efficiency updates – Coordinated through HopeSource, the updates are paid for by the City-administered energy conservation program and other funding sources administered by HopeSource, at no cost to the customer
- Energy Audits – Free to qualified low-income customers and subsidized by the City for the remaining City electric customers

Energy Assistance – Electric Utility

