



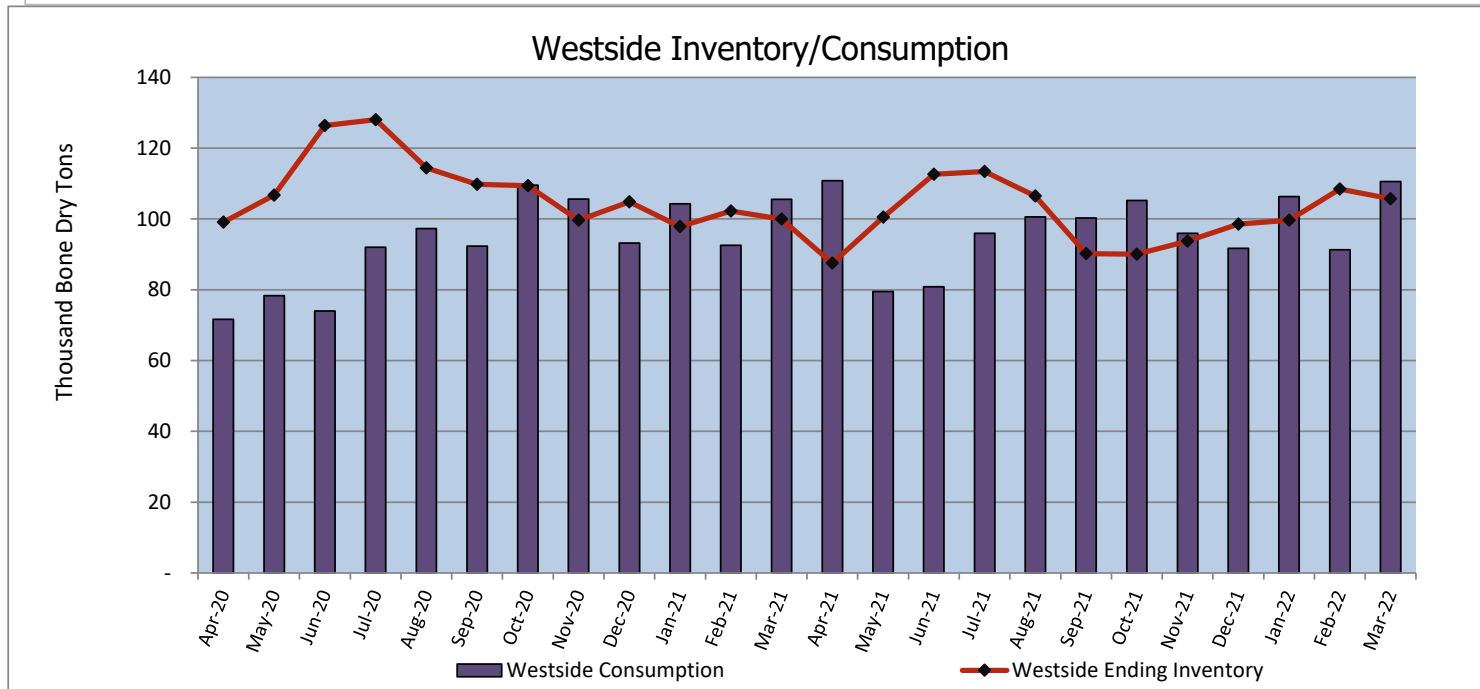
Western Region Monthly Clean Air/ Green Power Generation Energy Report

March 2022

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Forest Resources Association
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906.282.6752, email: vswanton@forestresources.org

Hogfuel - Selected Delivery/Usage/Inventory by Region

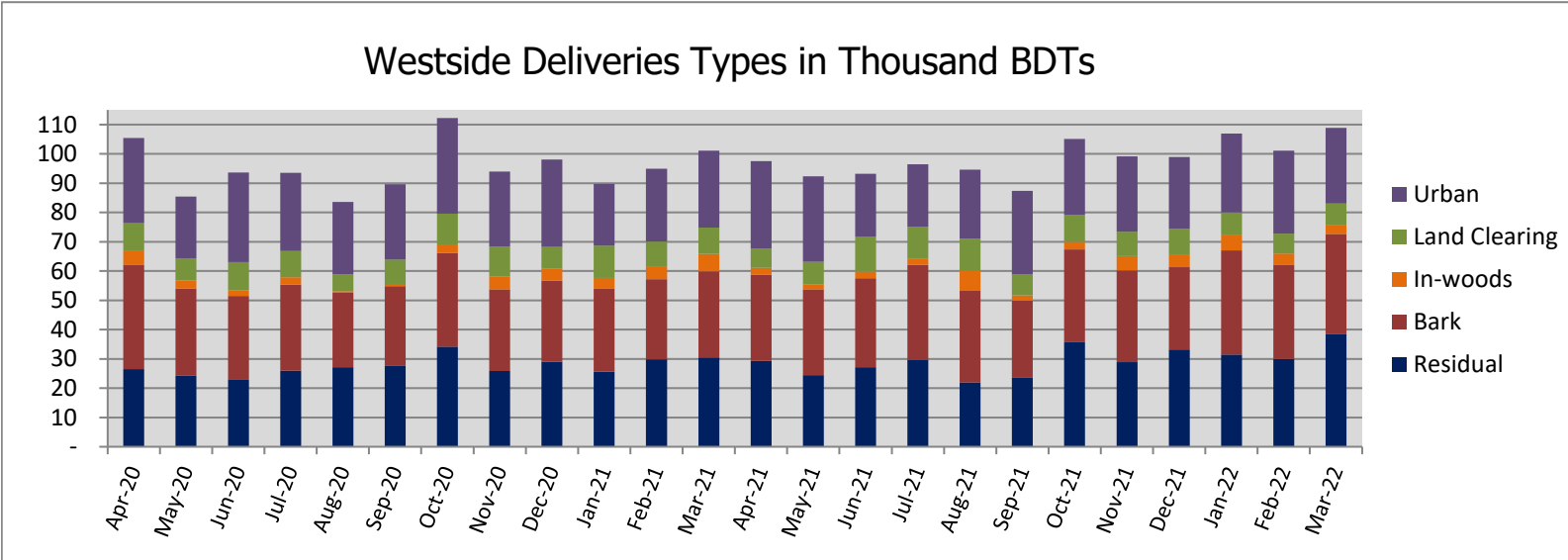
Data below is a subset of hogfuel, west of the Cascades in the Pacific Northwest bought or gathered from "open" sources - available for purchase from sawmills or other facilities, gathered from in-woods operations, or urban waste collection centers.



| | | | | |
|---|---------------|--------------------|------------------|--------------------|
| Residuals - Chips, shavings, sawdust | 38.40 | | | |
| Bark | 34.23 | | | |
| Inwoods (slash or slashpiles) and/or Ag. Waste | 3.15 | | | |
| Land clearing (usually with a percentage of stumps) | 7.22 | | | |
| Urban - pallets, clean C&D, green yard debris | 25.84 | | | |
| Westside Total | 108.84 | Consumption | Inventory | Adjustment* |
| | | 110.54 | 105.70 | -1.02 |

*Calculated inventory variance; i.e. beginning inventory + receipts - consumption

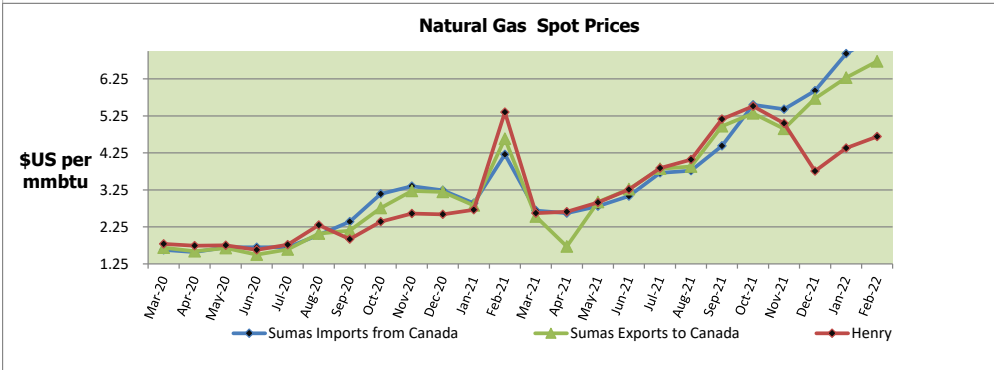
As of the June 2020 report, 7 facilities contribute data for this report - all on the Westside



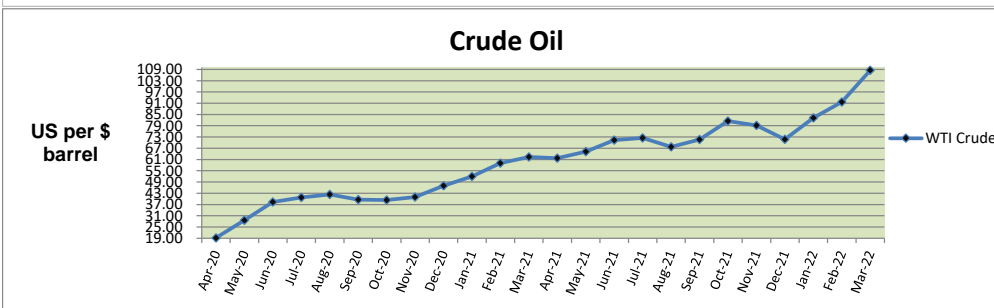
Selected Energy Cost Indices (in \$US): Spot prices for Natural Gas, Crude Oil, retail for Diesel

Henry Hub is the pricing point for natural gas futures contracts traded on the New York Mercantile Exchange (NYMEX). It is a point on the natural gas pipeline system in Erath, Louisiana. It is owned by Sabine Pipe Line LLC. It interconnects with nine interstate and four intrastate pipelines. Spot and future prices set at Henry Hub are denominated in \$/mmbtu (millions of British Thermal Units) and are generally seen to be the primary price set for the North American natural gas market. North American unregulated well head and burnertip natural gas prices are closely correlated to those set at Henry Hub. Data is based on the first day of each Month From <http://research.stlouisfed.org/fred2/data/GASPRICE.txt>

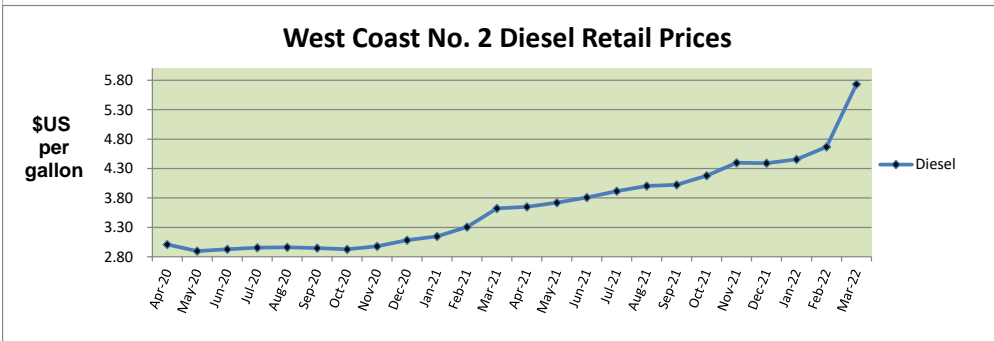
Sumas Hub is a main Pacific Northwest natural gas hub in Washington State, providing natural gas imports and exports from and to Canada. Data is based on the monthly average from <http://www.eia.gov>



West Texas Intermediate (WTI) WTI crude oil is of very high quality and is excellent for refining a larger portion of gasoline. Its PI gravity is 39.6 degrees (making it a “light” crude oil), and it contains only about 0.24 percent of sulfur (making a “sweet” crude oil). This combination of characteristics, combined with its location, makes it an ideal crude oil to be refined in the United States, the largest gasoline consuming country in the world. Data is based on the monthly average from



Diesel Prices in Western States. This is another set of prices that impacts our transportation system. Data is the monthly average



Mid Columbia Electrical Prices Most pertinent trading point for electrical pricing in the Pacific Northwest. Data is the monthly average from <http://www.eia.gov/electricity/wholesale/index.cfm>.

