

# CONVERSION COSTS

## From Natural Gas to Electricity

The City of Bellingham's Climate Action Task Force was launched in September 2018 with the purpose of determining the feasibility, costs, and impacts of the City's 100% renewable energy ambitions. A subcommittee of the CATF released preliminary recommendations for the building sector in June 2019, which included mandatory conversion of space and water heating systems by 2035, plus electrification of all commercial, residential, and renter occupied heating systems, and solar PV installation to cover at least 50% of the building footprint through rooftop or offsite solar.



This could cost:

**\$36,050 — \$53,250**

for a typical Bellingham home  
1,100 sq ft and 50 yrs old.

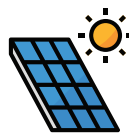
For every \$1,000 increase in the cost of a home, 113 local families are priced out of the market and cannot realize the American Dream of homeownership. This conversion will price 4,068 to 5,989+ households out of the Bellingham housing market (NAHB).

If newer homes convert, solar panel and heat pump costs increase due to larger square footage.



### ROOF UPDATE

**\$5,000 - \$9,000** minimum for a new roof  
If existing roof is 10+ years old  
(solar installs are on new/newer rooftops)



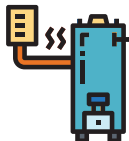
### SOLAR PANELS

**\$15,000 - \$20,000**  
Depending on roof line, roof size/home square footage. State or Federal Incentives may apply.



### DUCTLESS HEAT PUMP

**\$6,500 - \$10,000**  
**+ \$600** electrical work minimum  
More if ducts need installation



### WATER HEATER

**\$800 - \$1,000**  
**+ \$500 - \$1,000** electrical work  
**+ \$800** for the change out



### CHANGE OUT OF 100 AMP

**\$1,850** + trenching a conduit  
PSE transformer upgrades  
for larger HVAC systems  
**+\$5,000 - \$9,000**



### CITY OF BELLINGHAM

**+ \$\$\$\$**  
Unspecified permit fees and  
permit processing time

Share your concerns at: <https://www.cob.org/gov/public/Pages/Public-Comment.aspx>  
or email the City Council: [ccmail@cob.org](mailto:ccmail@cob.org)



# The Climate Action Task Force (CATF) Meeting Schedule:

CATF Meetings occur at 6:30pm at:  
Bellingham City Hall  
210 Lottie Street  
Bellingham, WA 98225

**Monday December 9, 2019 at 1pm** the CATF will deliver a full report to the Committee of the Whole.

## **Monday December 9, 2019 at 7pm**

Please attend this City Council meeting to offer public comment or email the Bellingham City Council at: [ccmail@cob.org](mailto:ccmail@cob.org)

## Sources:

**PSE Engineering Department**

**Myers General Inc./Coldwell Banker Bain**

**Cascade Natural Gas Corporation**

## **National Association of Home Builders (NAHB) Priced Out Estimates**

<http://www.nahbclassic.org/generic.aspx?genericContentID=265844&channelID=311>

## **NAHB Priced Out Estimates Press Release**

<https://www.nahb.org/news-and-publications/press-releases/2019/01/nahb-study-shows-households-priced-out.aspx>

## **NAHB New Home Prices & Households Priced Out of Market by a \$1,000 Increase, 2019: Table3**

[http://www.nahbclassic.org/fileUpload\\_details.aspx?contentTypeID=3&contentID=265844&subContentID=720995&channelID=311](http://www.nahbclassic.org/fileUpload_details.aspx?contentTypeID=3&contentID=265844&subContentID=720995&channelID=311)