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ANALYSIS OF HOUSEHOLD HEATING DATA FOR JUNE 2024

June 30, 2024

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# Background

The following report document contains an analysis of annual heating data for households in the month of June 2024. Cost calculations are done using 2024 Natural Gas Regulated Rates in $/GJ for the month of June at a rate of $1.05 per gigajoule.

## Yearly space heating expenditure

Currently, space heating costs are estimated at $2,274, assuming a constant rate of $1.05 per GJ. Space heating accounts for the largest area of expenditure per average household. *(See the* ***Chart 1*** *below for details.)*

A screenshot of a graph

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Chart 1 Annual space heating costs for all houses.

## Yearly heat savings

Yearly savings following a furnace upgrade in all households are estimated at $2,655, with the highest savings being in the space heating metrics at 51.8%. *(See the* ***Chart 2*** *below for details.)*

A graph of a number of people

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Chart 2 Annual heat cost savings for all houses and sources.

## Highest vs lowest household energy usage

We can use the data to identify and compare the households' metrics with the highest estimated annual cost and the lowest. These households are #15 at $321 per year and #20 at $166 per year. *(See the* ***Charts 3 - 4*** *below for details.)*

A screenshot of a graph

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Chart 3 Annual heating costs for the least energy-efficient household.

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Chart 4 Annual heating costs for the most energy-efficient household.

## Furnace upgrade heat savings

Five households that would benefit the most from furnace upgrades were identified. These houses collectively save $721 per year following a furnace upgrade. These houses are #6, #15, #16, #18 and #1. *(See the* ***Chart 5*** *below for details.)*

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Chart 5 Annual heating cost savings for the top five least energy-efficient households.