



# Housing Sustainability Index

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# Executive Summary

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We propose to create an online system that allows renters in Bellingham to check a dwelling's water, gas, and electricity usage as well as a Sustainability Score (S-Score). We want to teach people how they might be able to decrease their energy and gas usage as well as water consumption.



# Why is it Needed?

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- Saves energy (gas, electricity and water)
- Provides two sustainability scores
- Informs renters
- Saves money
- Makes Bellingham as a whole more sustainable
- Teaches renters sustainable actions

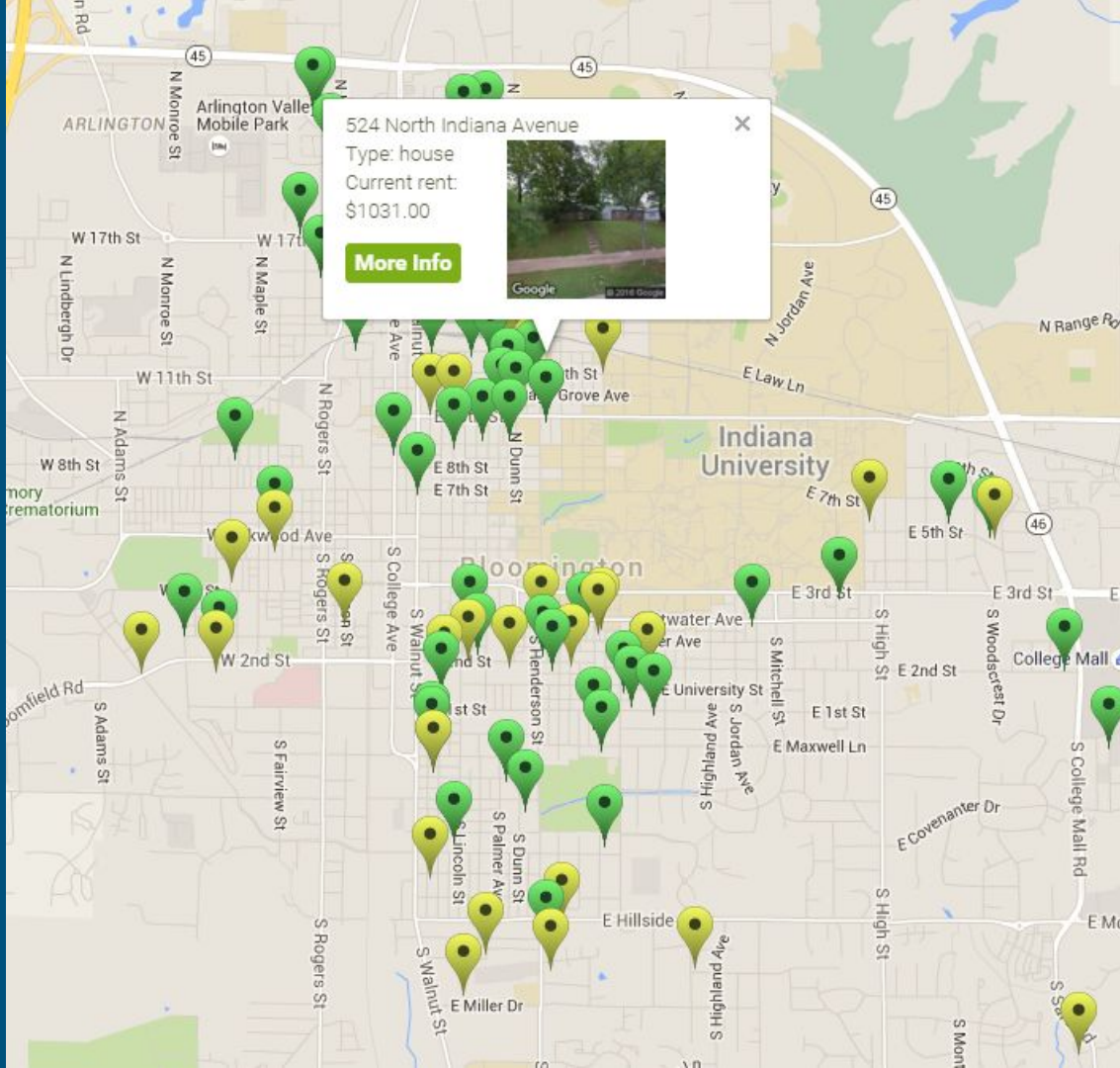


# How It Works

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- Online database and user input
- Users can access the database to see past utility info
- Landlords & Rental Companies participate
- Example: Rent Rocket





# 524 North Indiana Avenue

3 Bed / 3 Occupants • 1 Bath • 875 sq ft house

Map Photos StreetView



Costs	
Current Rent	\$1031.00
Electricity	\$55.00 <a href="#">Separate</a>
Natural Gas 🔥	\$57.00 <a href="#">Separate</a>
<b>Total</b>	<b>\$1143.00</b> (\$381.00 per BR)
<b>EnergyScore</b>	<b>Total</b> \$1479.65
	<b>Electrical</b> 8072 kwh
	<b>Heating</b> 592 therms
	<b>Cooling</b> 88 kwh

Contact	
Agent	Parker Management
Phone	
Email	
Website	<a href="http://parkermgt.com/?s=524+n+indiana&amp;search=Go">http://parkermgt.com/?s=524+n+indiana&amp;search=Go</a>

## Smart Living Features

Recycling Yes

## Amenities

A/C No

Laundry No

Parking **offstreet**

## Edit This Page

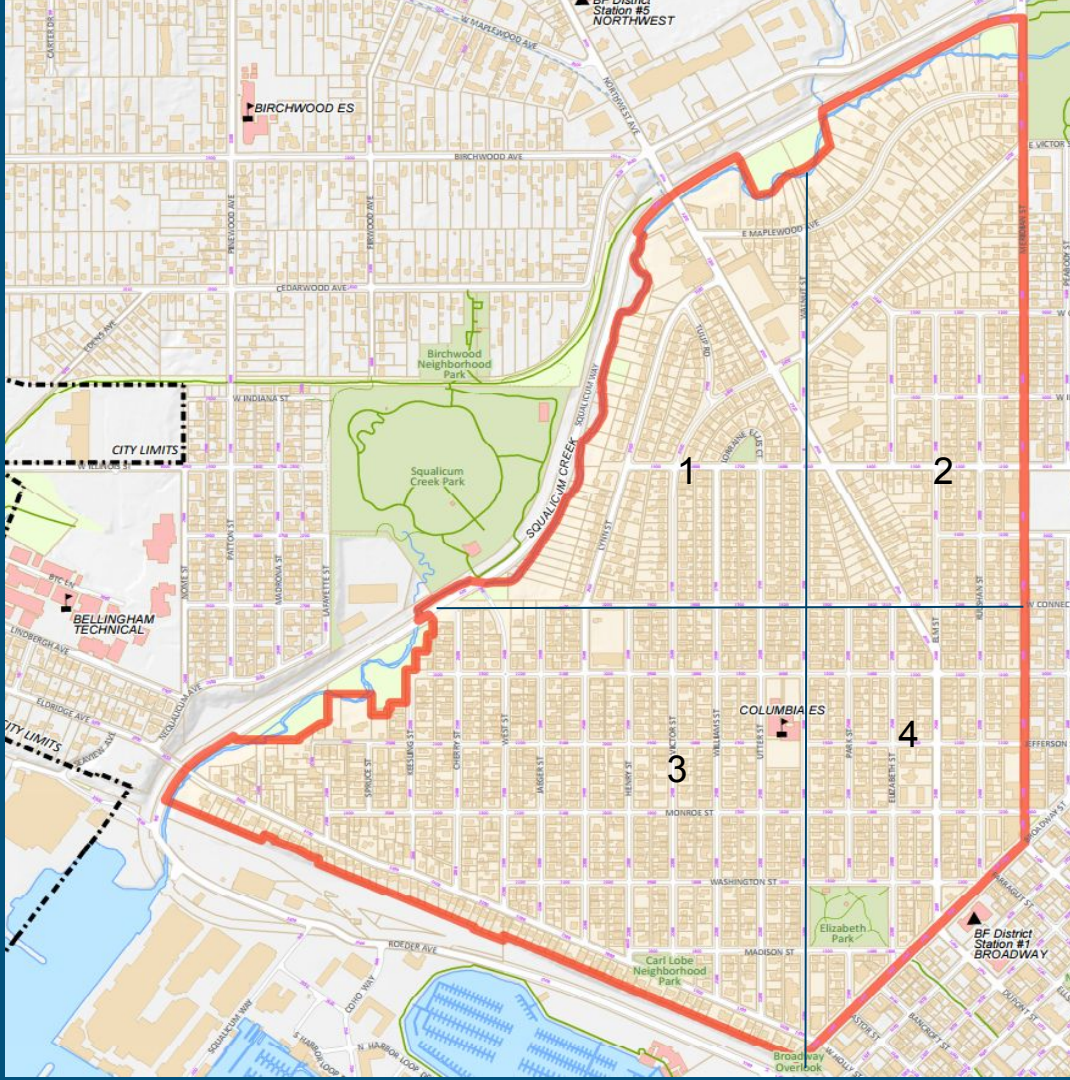
Utility Data [Upload](#)

Property Details [Update](#)

# Sustainability Score

- Utility Score (based off consumption)
- Community Score

<u>Community Sustainability Score</u>			
Close (5)	Moderate (3)	Far (5)	
			Proximity To:
			WTA Buslines
			Grocery Store
			Parks
			Co-operatives
			Restaurants
			Schools
			Library
			Recreational Facilities
			Bars
			Gyms
			Beauty Shops
Yes (5)	Unknown (3)	No (1)	
			Does Dwelling Have Access To:
			Recycle
			Compost
			Playground
			Walking Paths
			Bike Lanes
			Bike Racks
			Parking
			Gym
			Laundry
			Dish Washer
			Community Area





# Bellingham Energy Prize

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- Increase energy efficiency in Bellingham to earn \$5 million grant
- Bellingham is currently in 5th place out of 50 cities
- The Bellingham Energy Prize Wattzon website automatically collects electricity information



[Ways to Save](#)[Energy Charts](#)[Rebates](#)[Guides](#)[Groups](#)[Bellingham  
Energy Prize](#)[HomePrint  
Assessment](#)[Free Utilities for a  
Month!](#)[More](#)[About](#)POWERED BY  
WattzOn

## ⚡ Link My Utilities

Securely linking your utilities to your account gives us a clearer idea of how we can help you save.

Do you receive a utility bill for natural gas?

Select your electricity utility

Link Your Utility Account ⓘ

Puget Sound Energy Inc

Forgot your Puget Sound Energy Inc username or password?  
Please visit the [Puget Sound Energy Inc website](#)

[Skip this step](#) ▼

### Summary

Natural gas bill	No	>
Electricity utility	Puget Sound Energy Inc	>

# Incentives for Landlords

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- Competitive Advantage
- Good Marketing
- Transparency
- Shows Company Integrity



# Campus Community

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- Students who live on campus are better informed about their options when they move off campus.
- Faculty and staff know about the program
- Links on campus and off campus community
- Enables students to live sustainably off campus



# Measuring Success

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- How many landlords and renters are participating in the program?
- How many units are providing data?
- What data is each unit providing?



# Budget

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- Creation of interface
  - WWU Computer Science Capstone Project
- Website maintenance fees
  - ~ \$50/year
- Incentives for participants
  - Gift cards & donations from local vendors
  - Drawing every 3 months (\$60/year)
- Use web advertisement to generate income
  - \$30/month
- Total Annual Profit ~\$250



# Conclusion

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- Allows Bellingham to be more sustainable
- Informs renters
- Saves renters money
- Gives competitive advantage to landlords/rental companies
- Bring Bellingham rental companies into the digital age

