



# Legacy Jiu-Jitsu Academy

## Energy Efficiency and Commercial Facade Improvement Project

### 2020-2021



#### Project Background

- The City of Richland's Commercial Façade Improvement Program offers businesses/building owners up to \$20,000 in matching funds for exterior building improvement projects costing \$40,000 or more.
- Richland Energy Services assisted Legacy Jiu-Jitsu Academy with inspections and evaluations to install new windows and doors, window tinting and signage. The energy-efficiency portion of the project focused on a lighting retrofit and a web-enabled thermostat.



**10,800**

Annual Energy Savings



**\$800**

Annual Cost Savings



**\$20,000**

Richland Commercial Façade Improvement Program Incentives

#### Results

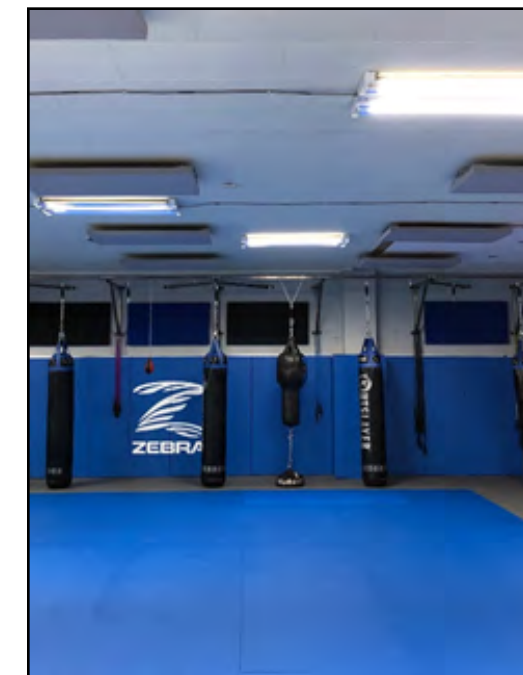
- The customer's combined savings from the lighting and thermostat projects is estimated to be greater than 10,800 kWh and more than \$800. Additional savings are anticipated in natural gas (from windows and thermostat) and electricity from cooling (from windows).
- Because of the large area of west-facing glass, the new windows with triple-paned tinted glazing have reduced heat loss and greatly reduced glare. While the owners have enjoyed the improved winter performance, they are excited about reduced cooling loads, and better comfort for students and parents observing classes.



Storefront window before (top) and after (bottom).



New web-enabled thermostat



Training area with new lighting

Learn more about  
Richland Energy Services  
Energy Efficiency Programs

[www.ci.richland.wa.us/energyefficiency](http://www.ci.richland.wa.us/energyefficiency)

[energyservices@ci.richland.wa.us](mailto:energyservices@ci.richland.wa.us)

(509) 942-7431