ENERGYCOMPASS.design

For Authorities

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Overview

Background

Proposal for Compass for Authorities

How we can make it happen

Background

A tool offered by **Sustainable Buildings Canada** and developed by **RWDI**

Currently funded through 2020 with mandate to develop a free tool targeted **at the** design community

Beyond informing designers we see a big opportunity **help/inform** authorities

What does the **tool** do?

1 **Users upload energy modelling results**

2 **In seconds, hundreds of key data points are extracted from the file and added to the database**

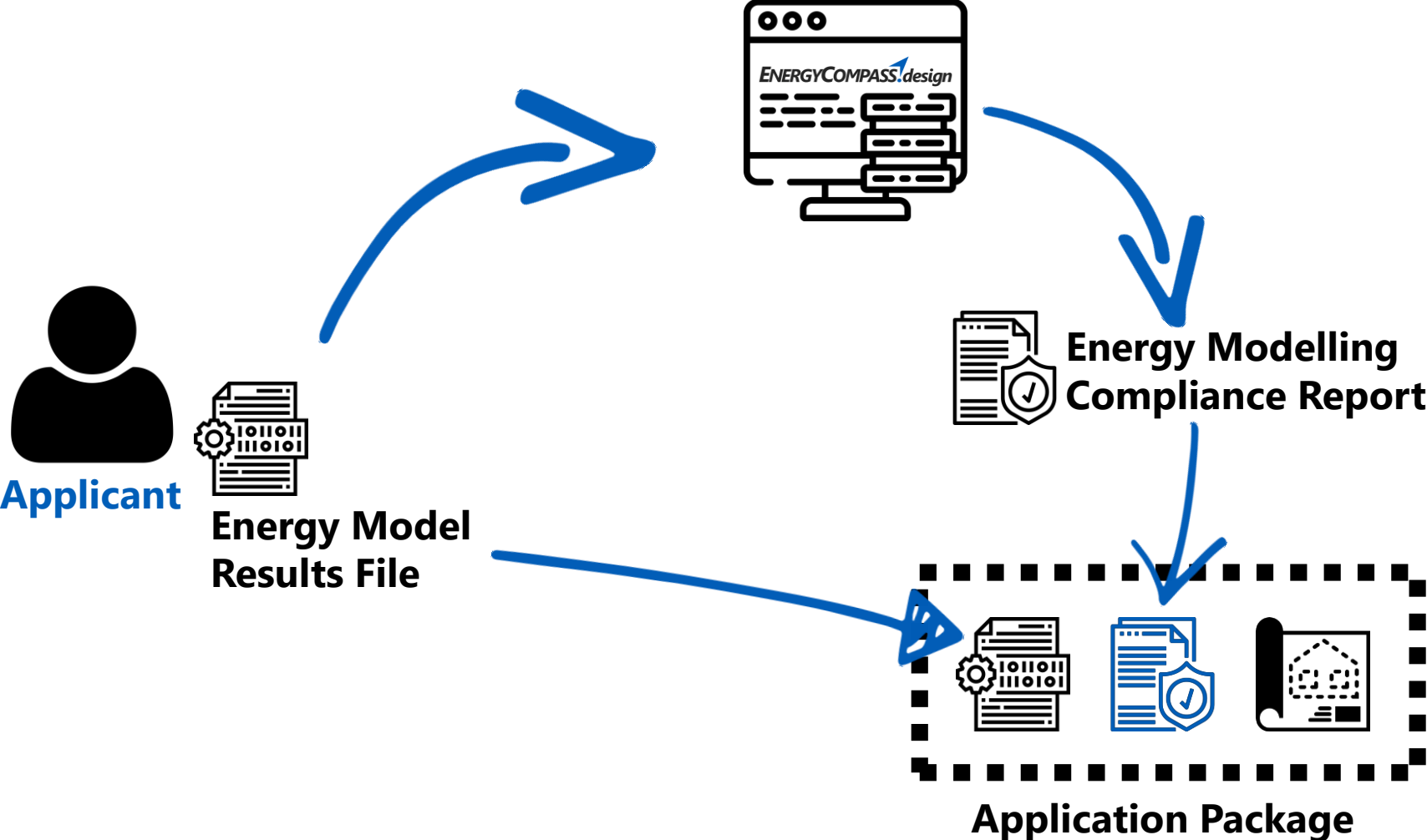**3** **Design decisions are informed by the community's collective data**
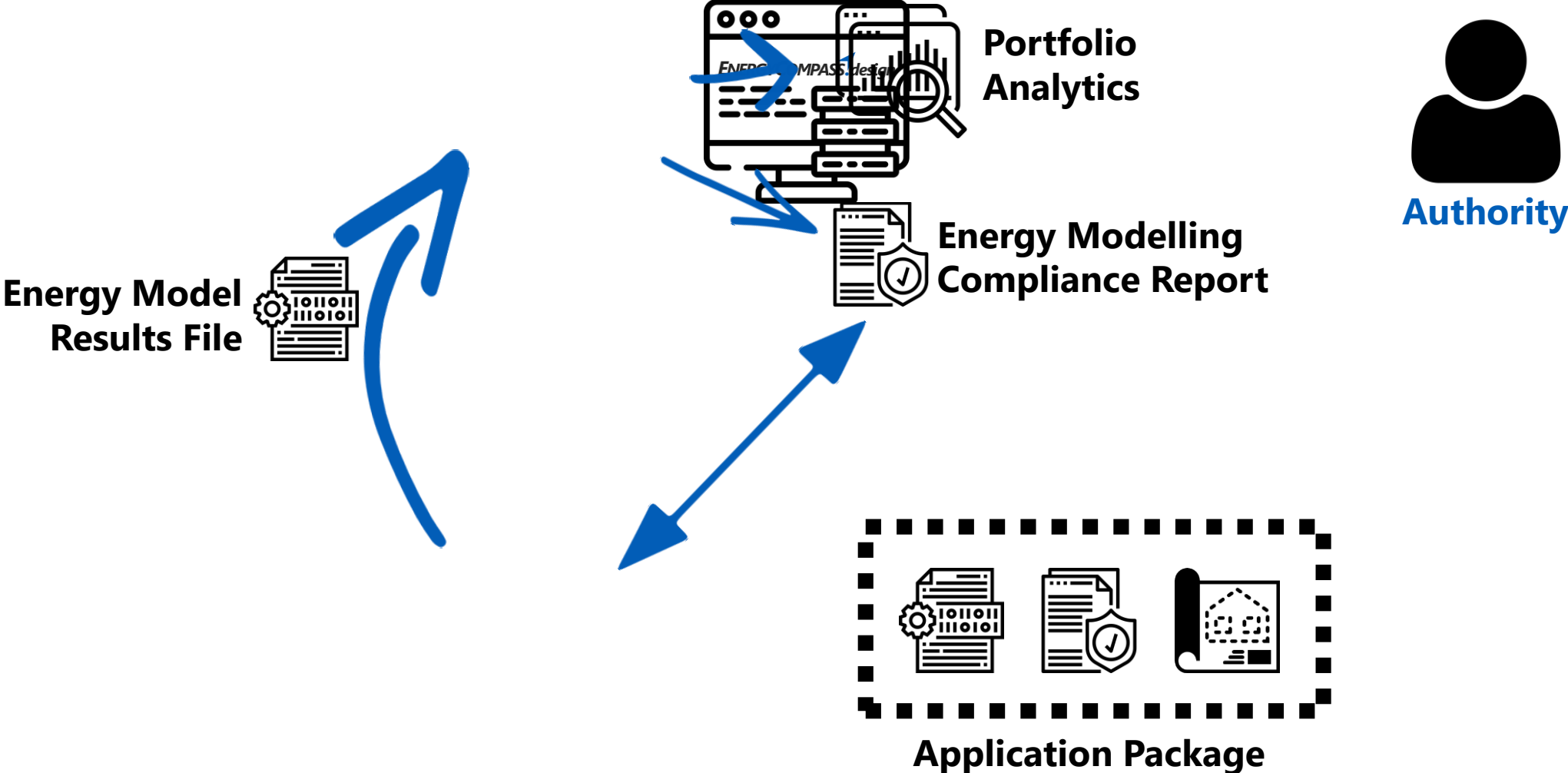
Proposal for Authority Reviews

1 **Energy Modelling Compliance Report**

2 **Portfolio Analytics**

Authority Reviews: Workflow (Applicant)

Authority Reviews: Workflow (Authority)

Energy Model Results File

Portfolio Analytics

Energy Modelling Compliance Report

Authority

Application Package

Energy Modelling **Compliance Report**

Assists in performing **"First Pass"** review:

Key Variables Summary

What is in the energy model?

Does the model match the drawings & specs?

Rule-based Review

Are codes and standards being followed?

Do the results make sense?

Does the model meet code and program requirements?

		Proposed	Reference	
Size	Area	2,894	2,980	m²
	Volume	8,820	9,082	m³

		Proposed	Reference	
Energy Use Intensity	Interior Lighting	65.1	88.1	kWh/m²
	Task Lighting	0.0	0.0	kWh/m²
	Plug Loads	27.4	27.4	kWh/m²
	Space Heating	0.0	0.0	kWh/m²
	Space Cooling	23.3	43.6	kWh/m²
	Heat Rejection	5.4	5.5	kWh/m²
	Pumping	16.4	46.3	kWh/m²
	Ventilation Fans	216.3	253.1	kWh/m²
	Refrigeration Display	0.0	0.0	kWh/m²
	Heat Pump Supplementary	0.0	0.0	kWh/m²
	Domestic Hot Water	0.0	0.0	kWh/m²
	External Usage	0.0	0.0	kWh/m²
	Total	354.0	463.2	kWh/m²

Authority Reviews

1 **Energy Modelling Compliance Report**

2 **Portfolio Analytics**

Portfolio **Analytics**

Data remains **confidential**

Aggregated portfolio statistics

- Total energy use of all buildings
- GHG emissions saved
- Trending over time
- ...

Tailored **dashboards**

How we can **make it happen**

We are applying for **TAF funding** (and others) to make this a reality

We are looking for **letters of support** from municipalities to be included in our application and to **partner** for beta testing during development

Please reach out to me with any other
questions / comments / suggestions / challenges / criticism you may have

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