



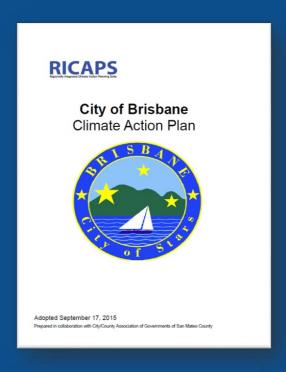


Adrienne Etherton

Sustainability Manager

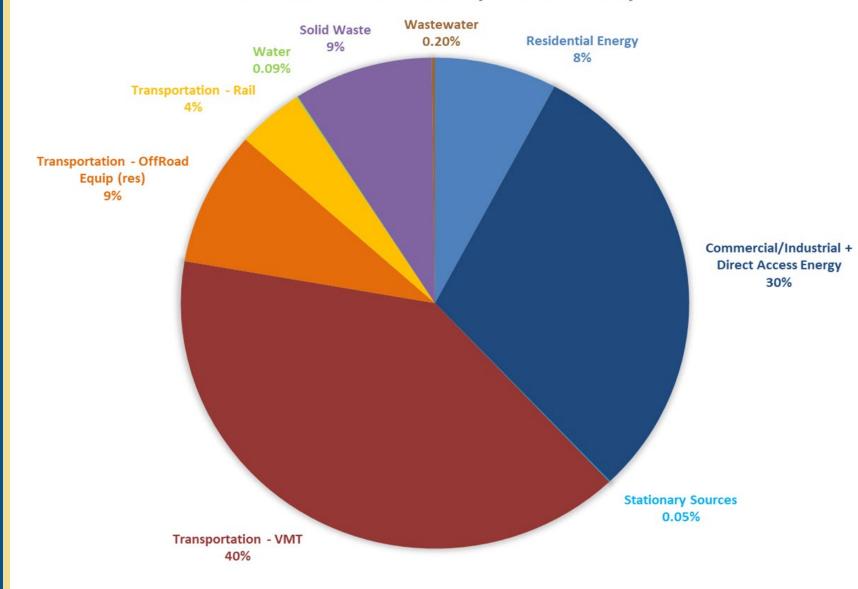
City of Brisbane

### Context



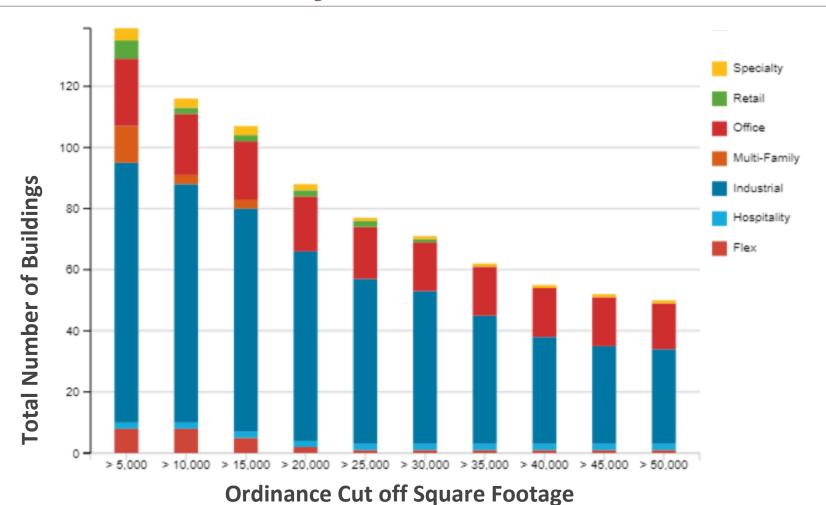


#### **Brisbane 2015 Community GHG Inventory**





## Market Analysis





## Innovating to address concerns

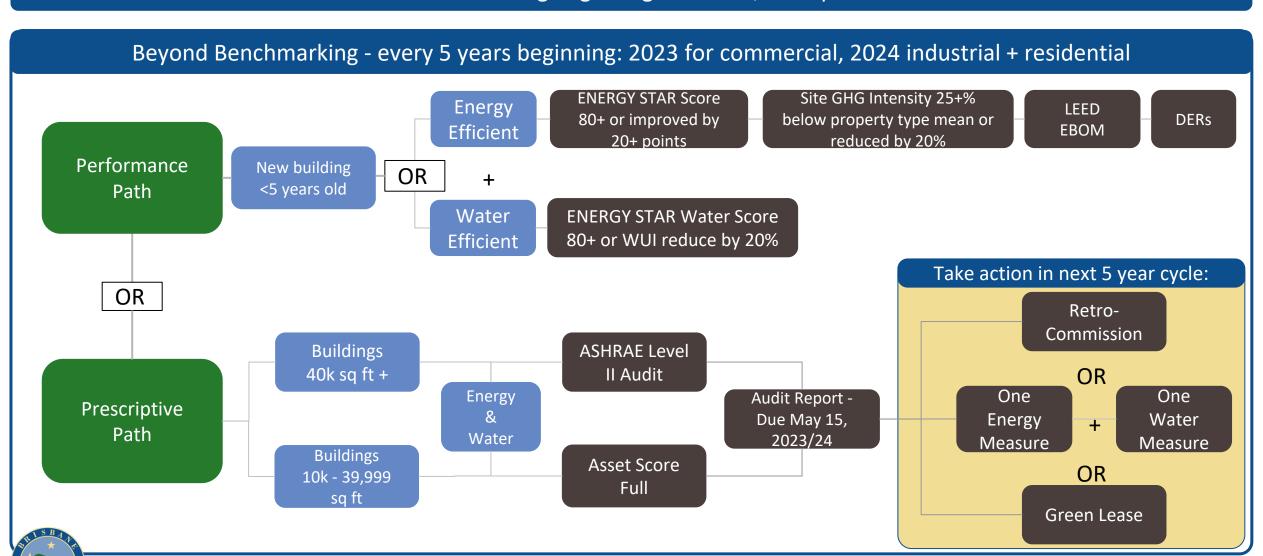
- Industrial buildings included
- Extends requirements to tenants
- Green Lease compliance option
- Report on current or planned distributed energy resources





#### Compliance Pathways

Annual Benchmarking beginning 2021 - 10,000 sq ft or more



#### Metrics for Success

- Context matters!
- Our CCA:
  - Supplies 98% of Brisbane electric customers
  - 100% GHG-free energy in 2021 & 100% renewable by 2025
- ENERGY STAR Score
- Site GHG Intensity
- Distributed Energy Resources







## Expected Impacts

\*pre-implementation

#### Buildings affected

- Benchmarking: 109 / 6.6M sqft
- ASHRAE Level 2 Audits: 48 / 5.3M sqft
- Asset Score Full: 61 / 1.3M sqft

#### GHG Impacts

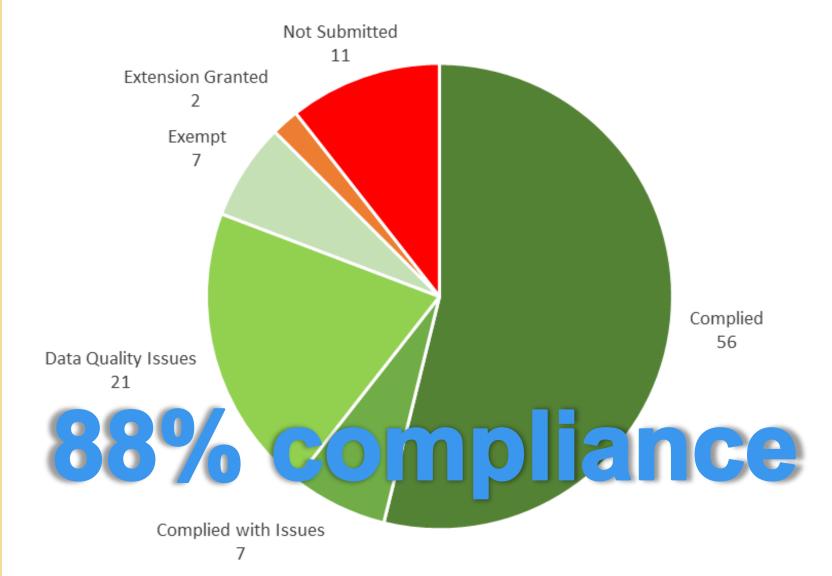
- ~2700 MTCO2e reduction within 5 years of ordinance effective date
- ~ 14.4% reduction from sector / ~4% citywide



## Compliance

\*first year of reporting

#### 2020 Compliance Status

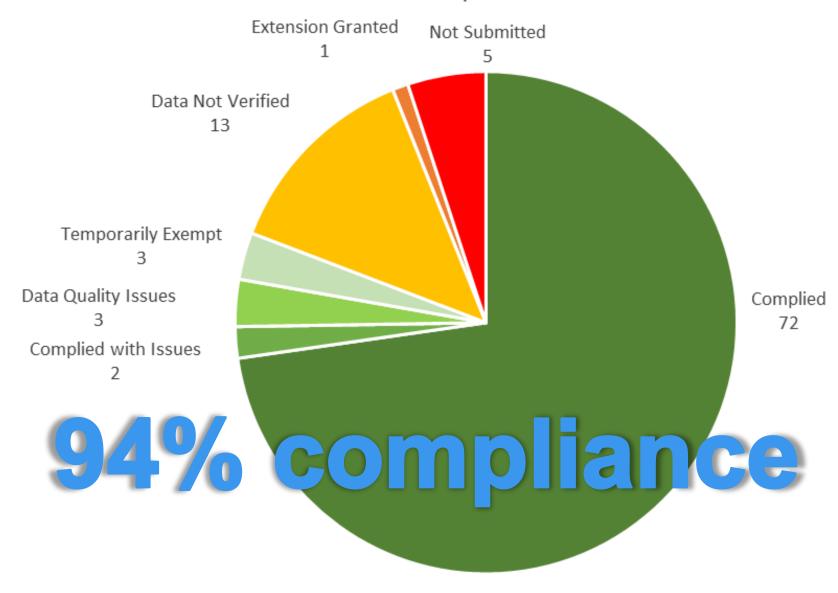




## Compliance

\*most recent year

#### 2021 Compliance Status





**Number of Buildings** 100

**Combined Area** 5.1M ft<sup>2</sup>

**Total Electricity Use** 1.7G kWh kilowatt hour (kWh)

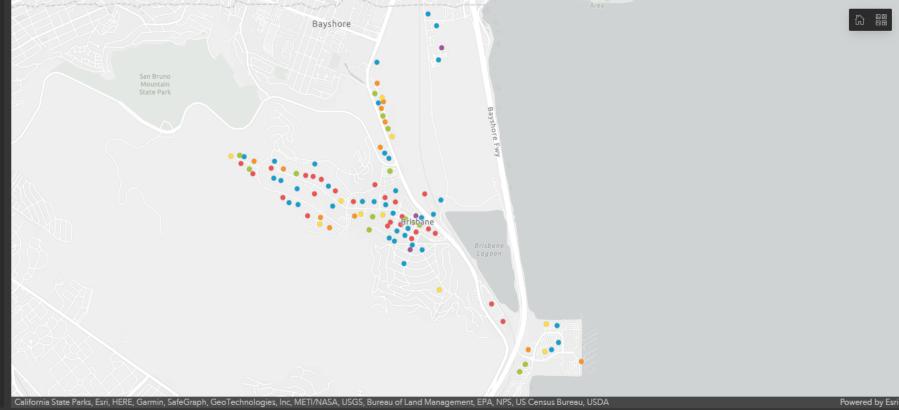
**Total Natural Gas Use** 131.4M (kBtu) British thermal unit (Btu)

**Total Water Use** 52.4k (kgal)

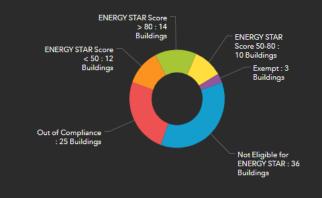


Map Legend

- ENERGY STAR Score > 80
- ENERGY STAR Score 50-80
- ENERGY STAR Score < 50</li>
- Out of Compliance
- Exempt
- Not Eligible for ENERGY STAR



2022 BBEP ENERGY STAR Compliance Status



Click on the chart to interact with map. Click inside the donut to reset.

# Trends & Lessons Learned

- LOTS of outreach required
  - Climate Corps Fellow / Sustainability Intern to the rescue!
- Smaller companies need help (and sometimes larger ones too)
- Low EUI
  - 2020 was not a normal year!
- Custom IDs & other special requests
  - Errors & blanks very common
- Be patient!
- But don't be afraid to send Notices & Citations



#### Next Steps

- Converting our program management software
- Evaluating buildings' year-over-year progress
- Building out Beyond Benchmarking process
- Communicating with building reps
  - "Scorecards" of current status
  - Which pathway we believe they are on
  - Resources for Beyond Benchmarking phase
- Considering existing building reach codes



## Thank You

#### **Adrienne Etherton**

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