



OLYMPIA

2045

Climate Action & Resilience



Agenda

1. Climate Change Planning in Washington
2. Olympia 2045: Climate Element
3. Development and Process
4. Main Themes
5. Next Steps



HB 1181 – Climate Change Planning

ESSHB – 1181 – “Climate Change – Planning”:

- Requires a Climate Change and Resiliency Element for jurisdictions required to plan under GMA

Overarching Goals:

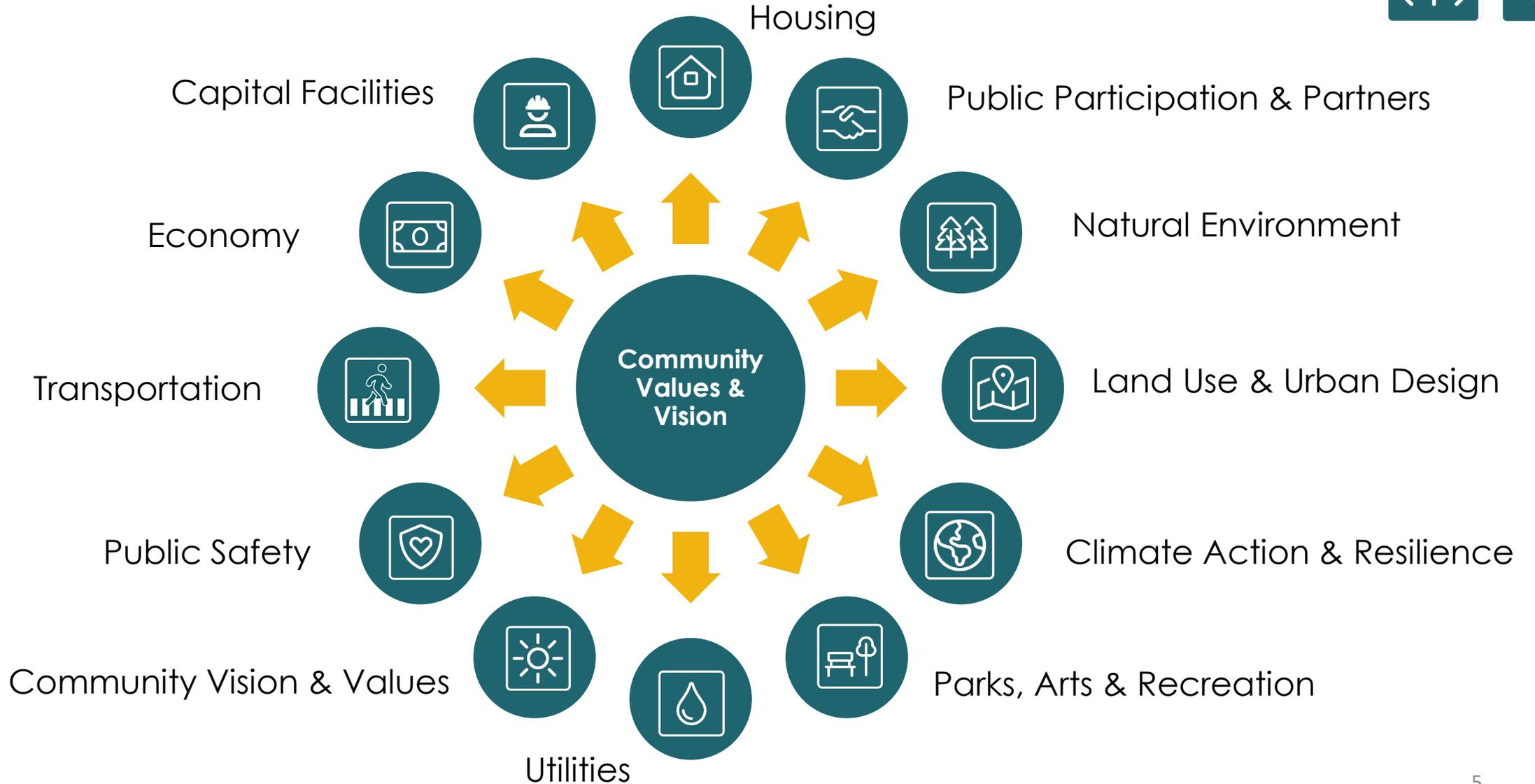
- Reduce greenhouse gas emissions
- Reduce vehicle miles traveled
- Improve climate preparedness, response and recovery efforts
- Maximize co-benefits and prioritize environmental justice in the development of policies/programs to achieve these goals.

Olympia 2045

Climate Element

Olympia 2045 Chapters

Equity and health are addressed in every chapter.



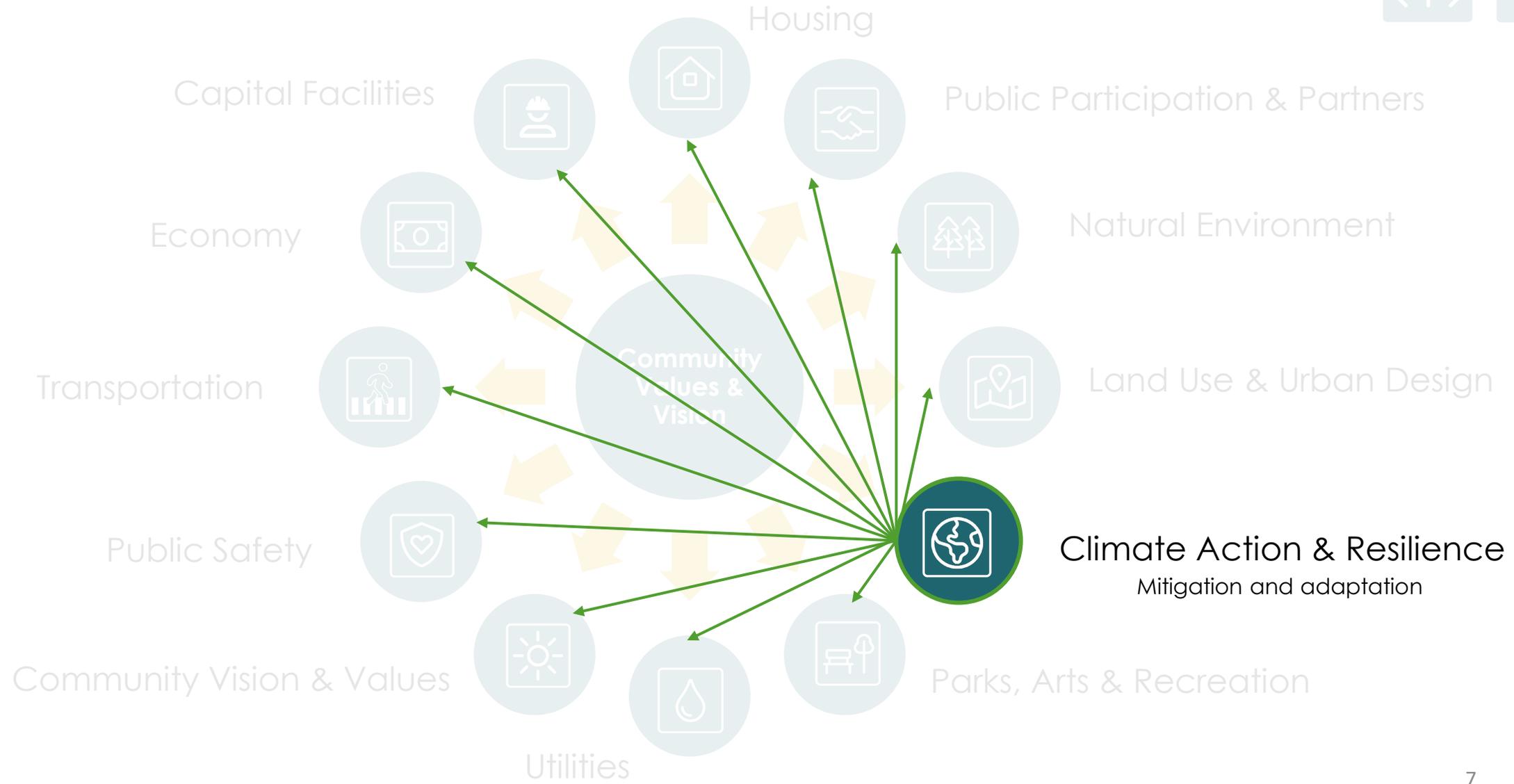
The Climate Element

Equity and health are addressed in every chapter.



Climate Integration with All Chapters

Equity and health are addressed in every chapter



Climate Policy Advisory Team

Worked with an interdepartmental team to develop the Climate Element:

- Transportation
- Storm and Surface Water Utility
- Waste ReSources
- Parks
- Fire Department
- Community Planning
- Economic Development
- Squaxin Island Tribe
- Olympia Planning Commission



Developing the Climate Element

COMMUNITY
INPUT

COMMUNITY OUTREACH
PHASE 1

Feb - Mar 2025

PUBLIC
COMMENT
PERIOD 2

May - June 2025

PUBLIC
COMMENT
PERIOD 3

City Council
Acceptance
November 2025



2023

2024

2025

Climate Resilience

CONDUCT BASELINE ASSESSMENT
OF CLIMATE HAZARDS AND IMPACTS

Climate Mitigation

CONDUCT BASELINE ASSESSMENT
OF GHG SECTORS AND SCENARIOS

Nov 2024 - Aug 2025

COMMITTEE
BRIEFINGS

Feb 2025

PUBLISH
DRAFT
GOALS
AND
POLICIES

May 2025

PUBLISH
DRAFT
CHAPTER

July 2025

PUBLISH
PUBLIC
HEARING
DRAFT

Aug - Dec 2025

FORMAL
REVIEW
PROCESS

Dec 2025

COMPREHENSIVE
PLAN ADOPTION

CLIMATE
ELEMENT

MITIGATION
SUBELEMENT

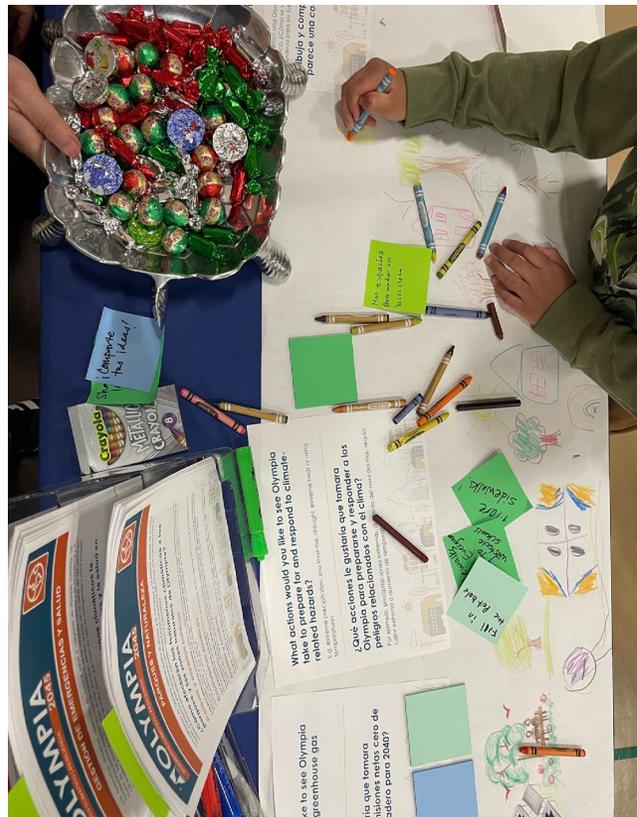
RESILIENCE
SUBELEMENT



Open House



Community Events



What we heard:

- Urgency and pragmatism in climate action
- Affordability to all Olympians
- Flexibility through phased implementation
- High density-development
- Environmental protection



Main Themes of the Climate Element

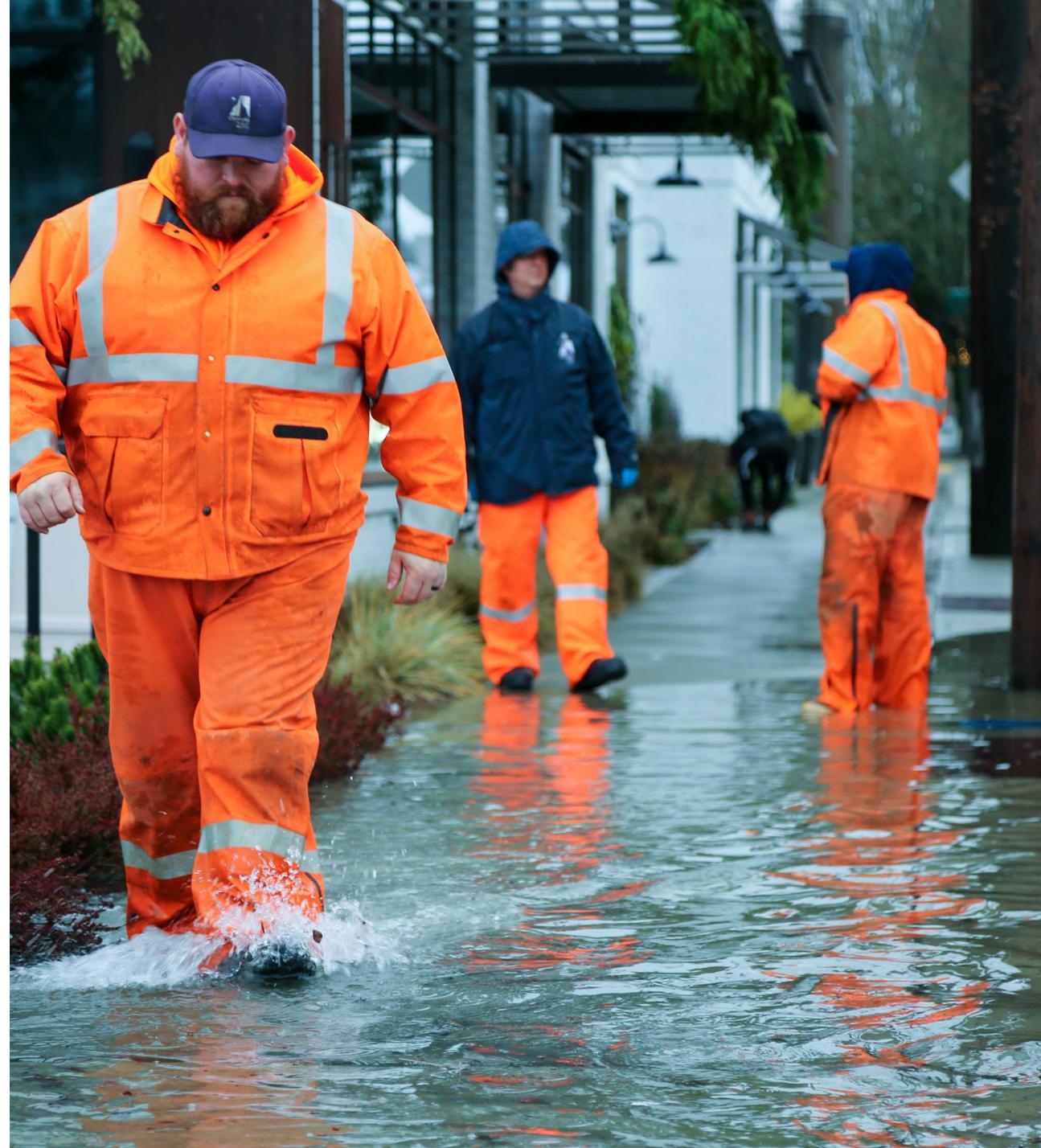
Our Environment and Parks

- Minimize environmental damage from changing climate conditions.
- Strengthen community connection to nature.



Our Health and Wellbeing

- Practice emergency management that protects the health of those most vulnerable.
- Provide emergency services and housing.
- Support affordable housing.



What and How We Build

- Build streets that support walking, rolling, and taking public transit.
- Develop denser neighborhoods, support energy efficiency, and reduce exposure climate hazards.
- Ensure critical infrastructure can withstand more extreme weather events and reduce waste.



Our Economy and Community

- Prepare our local workforce for climate action.
- Support businesses in preparing for climate impacts.



Next Steps (after acceptance)

- Integrate climate goals and policies across chapters
- City Council adoption of full Comprehensive Plan

Council Options

1. Accept the Climate Action and Resilience Chapter of the Olympia 2045 Comprehensive Plan.
 2. Accept the Climate Action and Resilience Chapter of the Olympia 2045 Comprehensive Plan, with specific modifications.
 3. Do not accept the Climate Action and Resilience Chapter of the Olympia 2045 Comprehensive Plan and direct staff to make specific changes to it for reconsideration at a future date.
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Stay Informed

Subscribe to the Climate or Planning Newsletter:
www.olympiawa.gov/news

Visit our Webpage:
www.olympiawa.gov/Climate2045

Become a Party of Record by emailing:
olympia2045@ci.olympia.wa.us

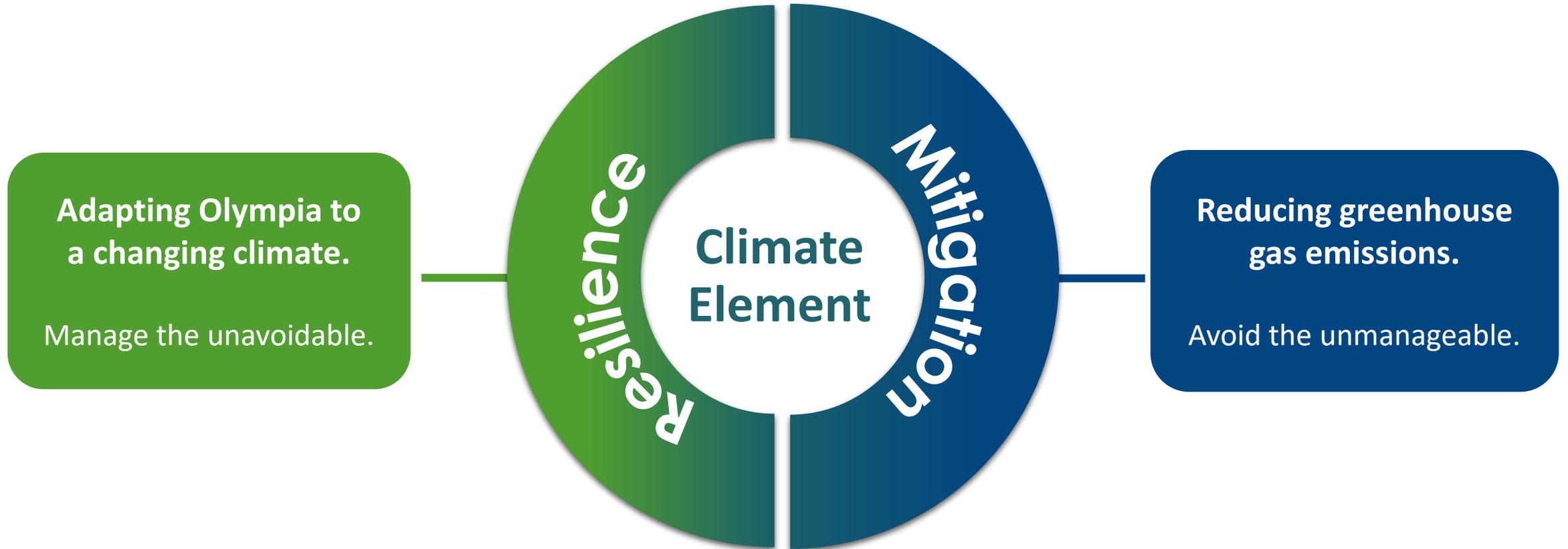


Contact Information:

Pamela Braff, PhD
Director of Climate Programs
360.753.8249
pbraff@ci.Olympia.wa.us

Natalie Weiss
Climate Resilience Coordinator
360.570.5828
nweiss@ci.Olympia.wa.us

The 2 Parts to the Climate Element



Climate Risk and Vulnerability: High Risks

SUMMER CONDITIONS



**Extreme
Heat &**



**Wildfire
Smoke**

Emergency Prep &
Response

Public Health

Grid-Supplied Energy

Local Businesses

Streets (*heat, only*)



**Extreme
Heat,**



**Rising
Temps &
Drought**

Ecosystems
(forests, aquatic, pollinators)

WINTER CONDITIONS

**Sea Level
Rise &
Extreme
Rainfall**



Downtown Infrastructure
(sewer system, streets, businesses)

Emergency Prep & Response

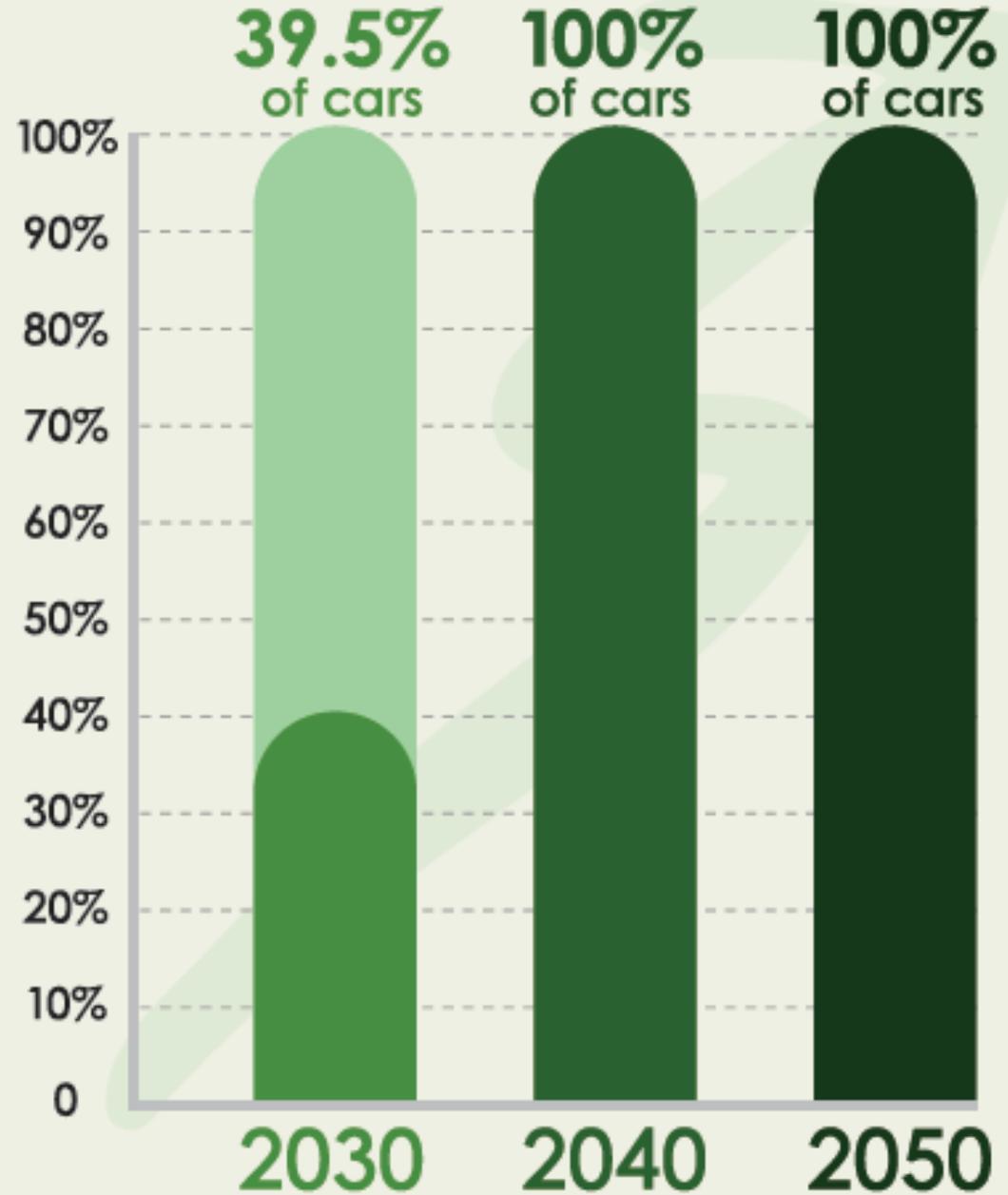
Ecosystems (marine, aquatic)

Increase Electric Vehicle Adoption



By 2030, 39.5% of gasoline-powered light-duty vehicles will be replaced with electric vehicles.

By 2040, all gasoline-powered light-duty vehicles will be replaced with electric vehicles.

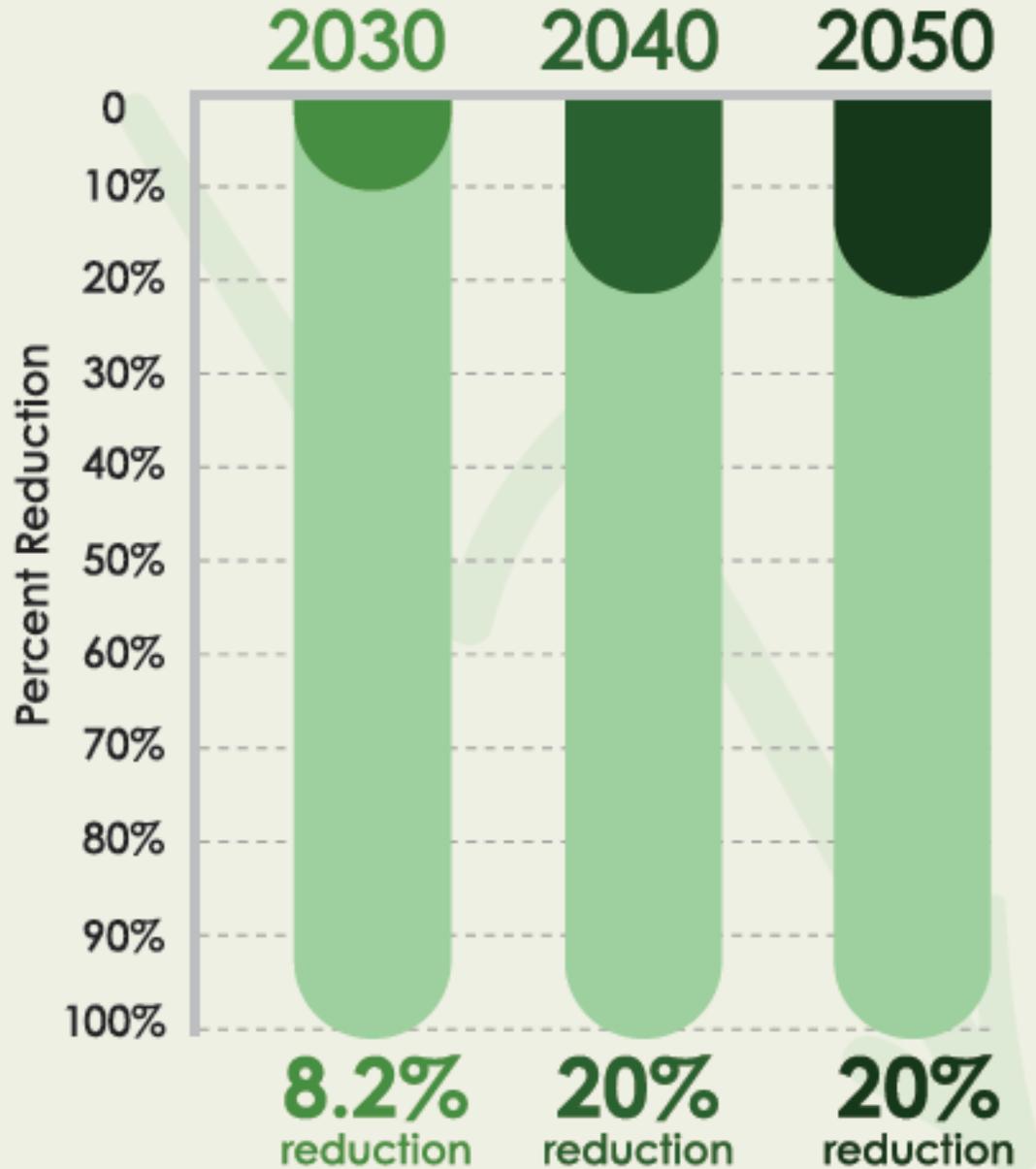


Reduce Vehicle Miles Traveled

By 2030, vehicle miles traveled are reduced by 8.2%.*

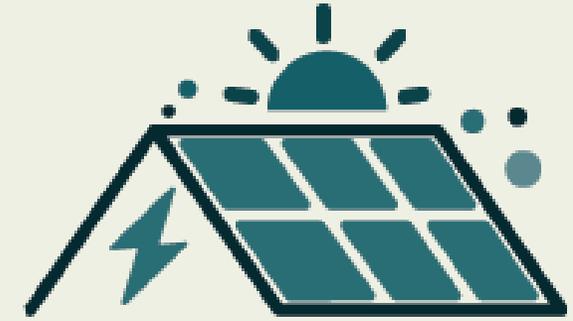
By 2040, vehicle miles traveled are reduced 20%.*

*These values are relative to the business-as-usual scenario, where Olympia does not take additional action to reduce vehicle miles traveled.



Increase Rooftop Solar

Each year, an additional 1.1 MW (megawatts) of rooftop solar is installed for residential and commercial buildings, with 6.6 MW installed by 2030 and 17.6 MW installed by 2040.



2030



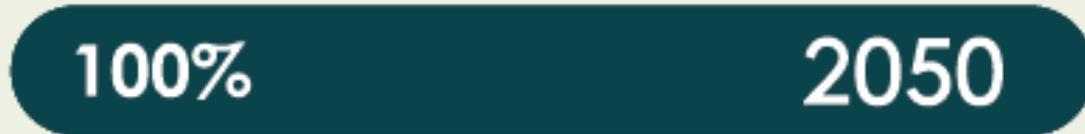
2040



2050

Measured in megawatts (MW) of power.

Increase Efficiency of All Buildings



New buildings will become more energy efficient through compliance with Washington State building codes.

By 2030, 37.5% of existing buildings receive energy efficiency and electrification upgrades.

By 2040, 100% of existing buildings receive energy efficiency and electrification upgrades.

Reduce Amount of Solid Waste Generated

Between 2024 and 2050, solid waste generated in Olympia is reduced by 773.5 tons each year.

By 2030, Olympia generates 33,260 tons of solid waste.

By 2040, Olympia generates 28,619 tons of solid waste.

