Results Washington

SUSTAINABLE ENERGY & A CLEAN ENVIRONMENT

Healthy Air

April 28, 2015

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Healthy Air

ONE OF THE BIGGEST
risks to human health today

What Happens

PUBLIC HEALTH

- Pollution exposure
- Property values
- Relocation
- Health care costs

ECONOMIC IMPACT ON BUSINESS

- More stringent regulation
- Expensive pollution controls
- Affects expansion and new business

LOCAL GOVERNMENT

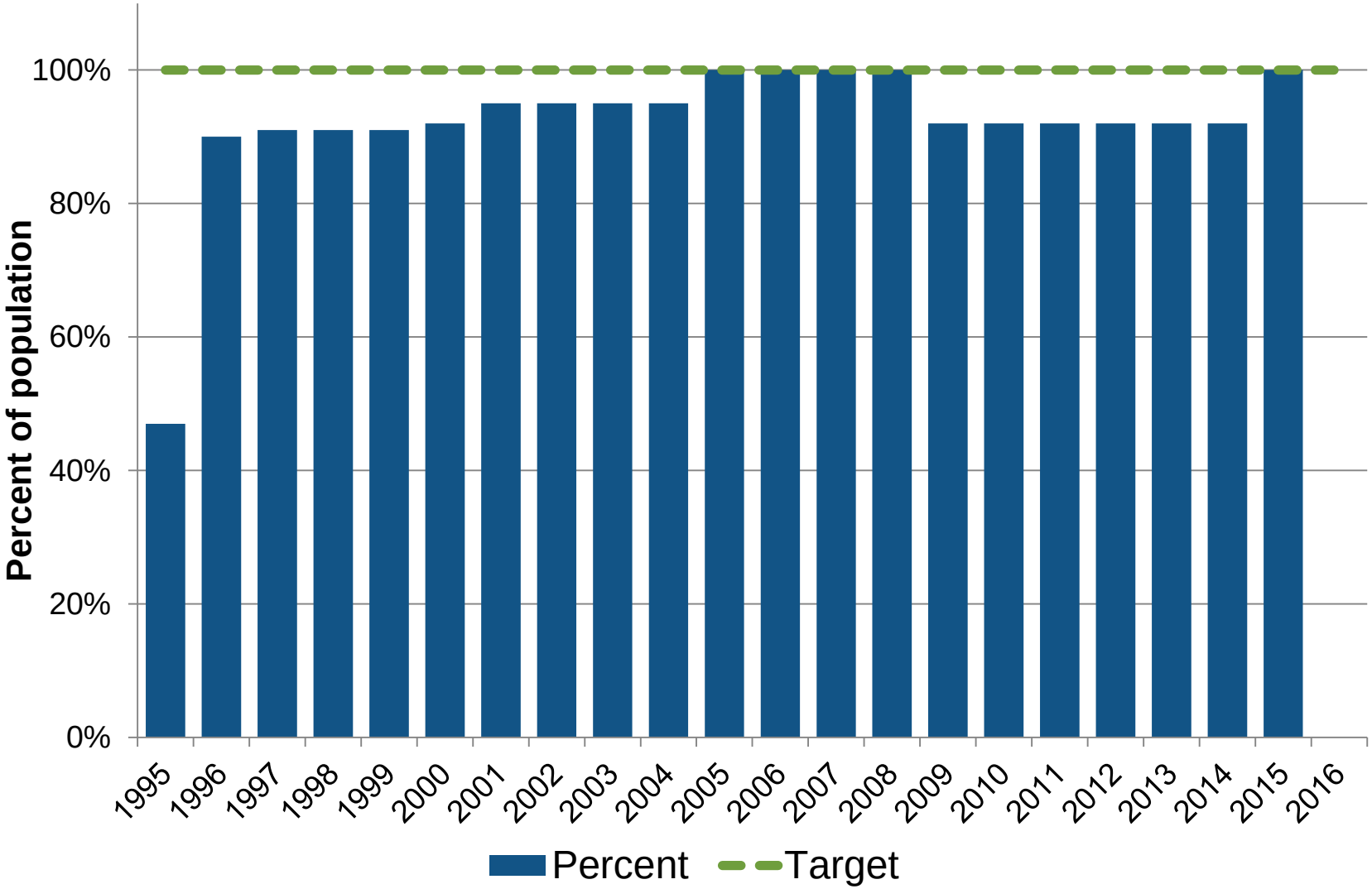
- Costs to implement plans
- Community stigma
- Growth limiter

Goal 3: 3.3

INCREASE PERCENT OF POPULATION LIVING WHERE AIR QUALITY MEETS FEDERAL STANDARDS FROM 92% TO 100% BY 2020.

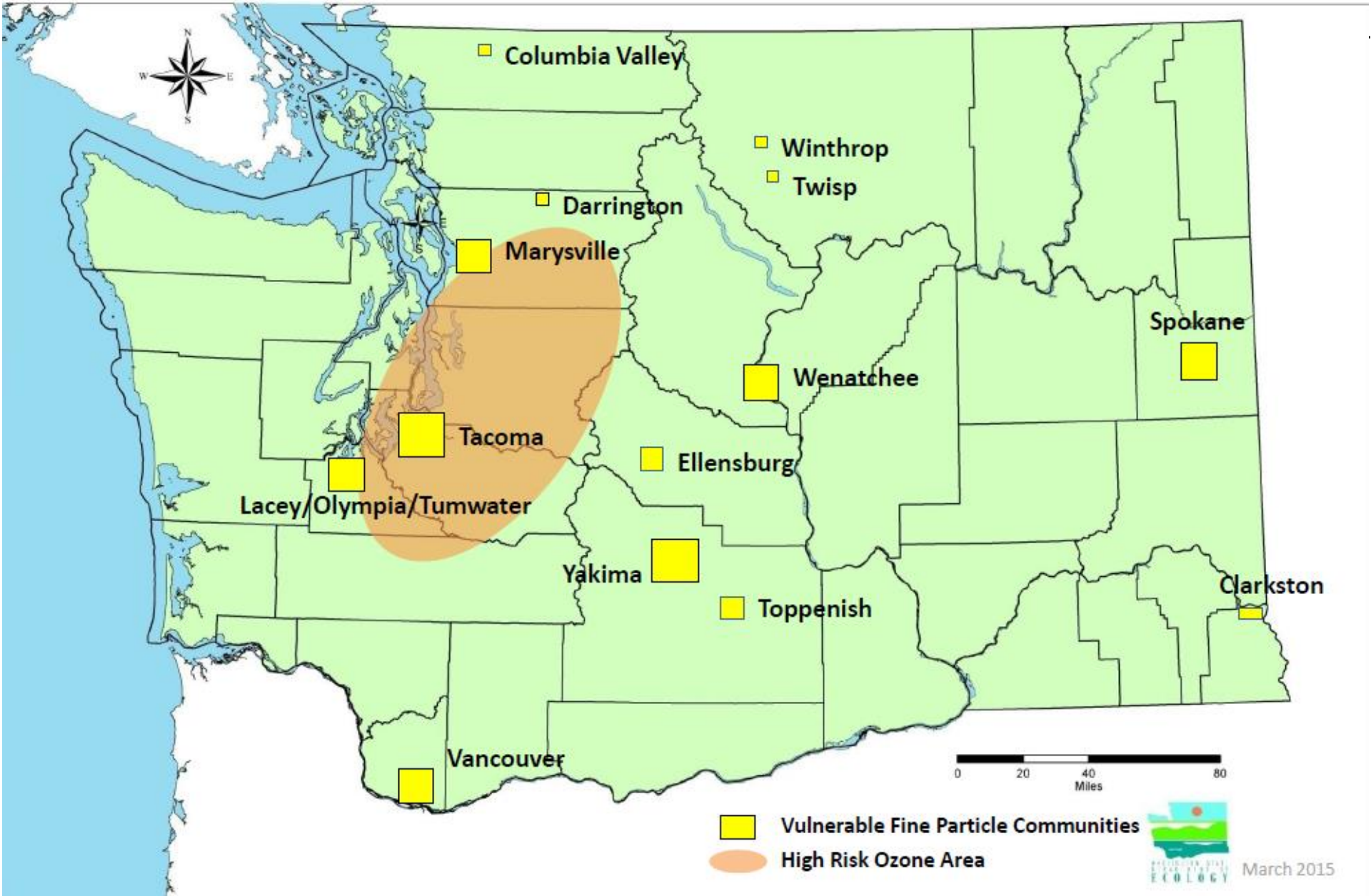
100% of WASHINGTON
meeting federal air quality standards

HISTORY OF MEETING STANDARDS



EPA National Ambient Air Quality Standards

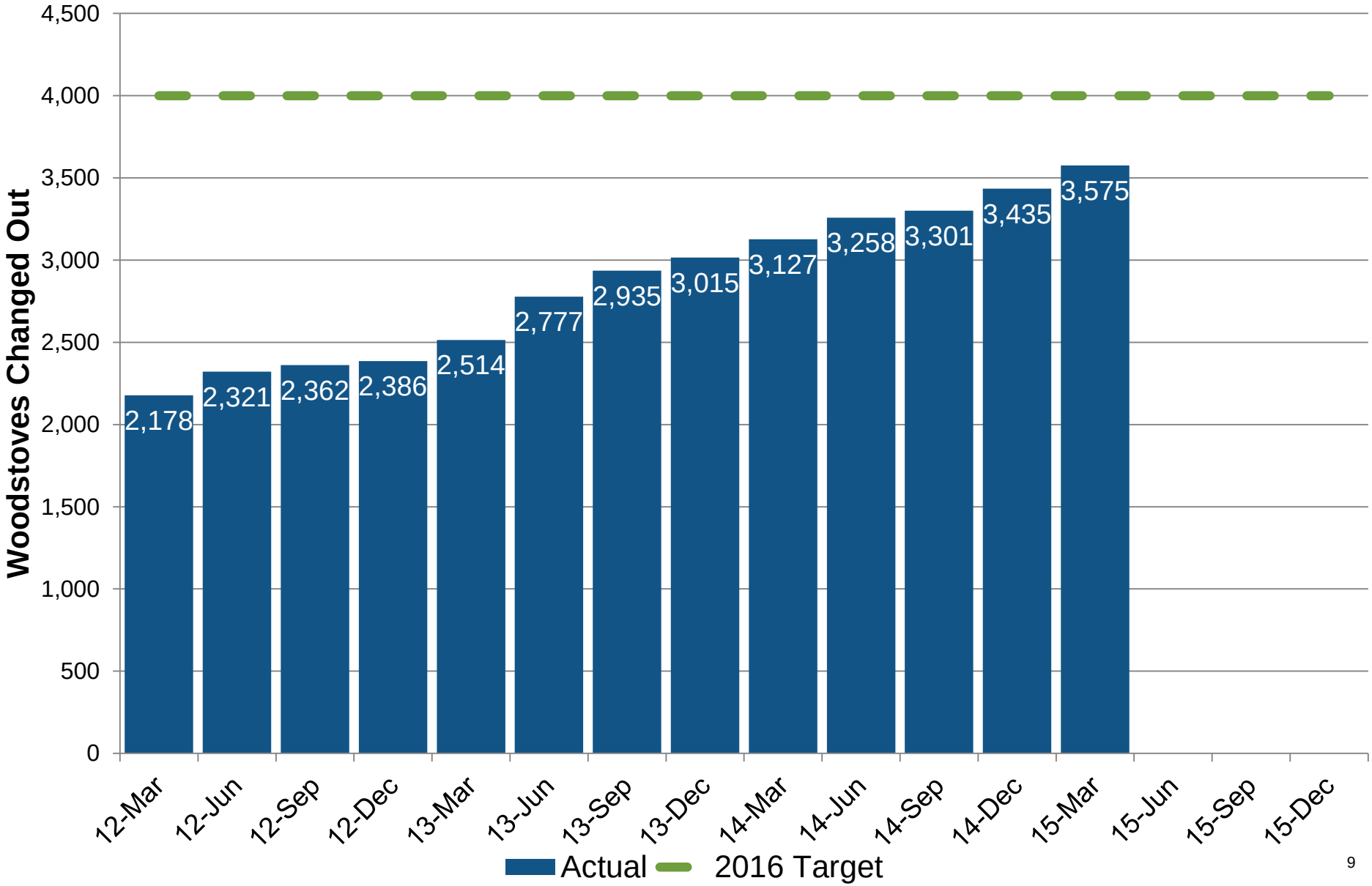
Vulnerable Communities



Goal 3: 3.3.b

INCREASE NUMBER OF WOODSTOVES REPLACED WITH CLEANER BURNING TECHNOLOGIES FROM 2,777 TO 4,000 BY 2016.

WOODSTOVES


Woodstoves Changed Out
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
2,178
2,321
2,362
2,386
2,514
2,777
2,935
3,015
3,127
3,258
3,301
3,435
3,575
12-Mar
12-Jun
12-Sep
12-Dec
13-Mar
13-Jun
13-Sep
13-Dec
14-Mar
14-Jun
14-Sep
14-Dec
15-Mar
15-Jun
15-Sep
15-Dec
Actual
2016 Target

SNAPSHOT

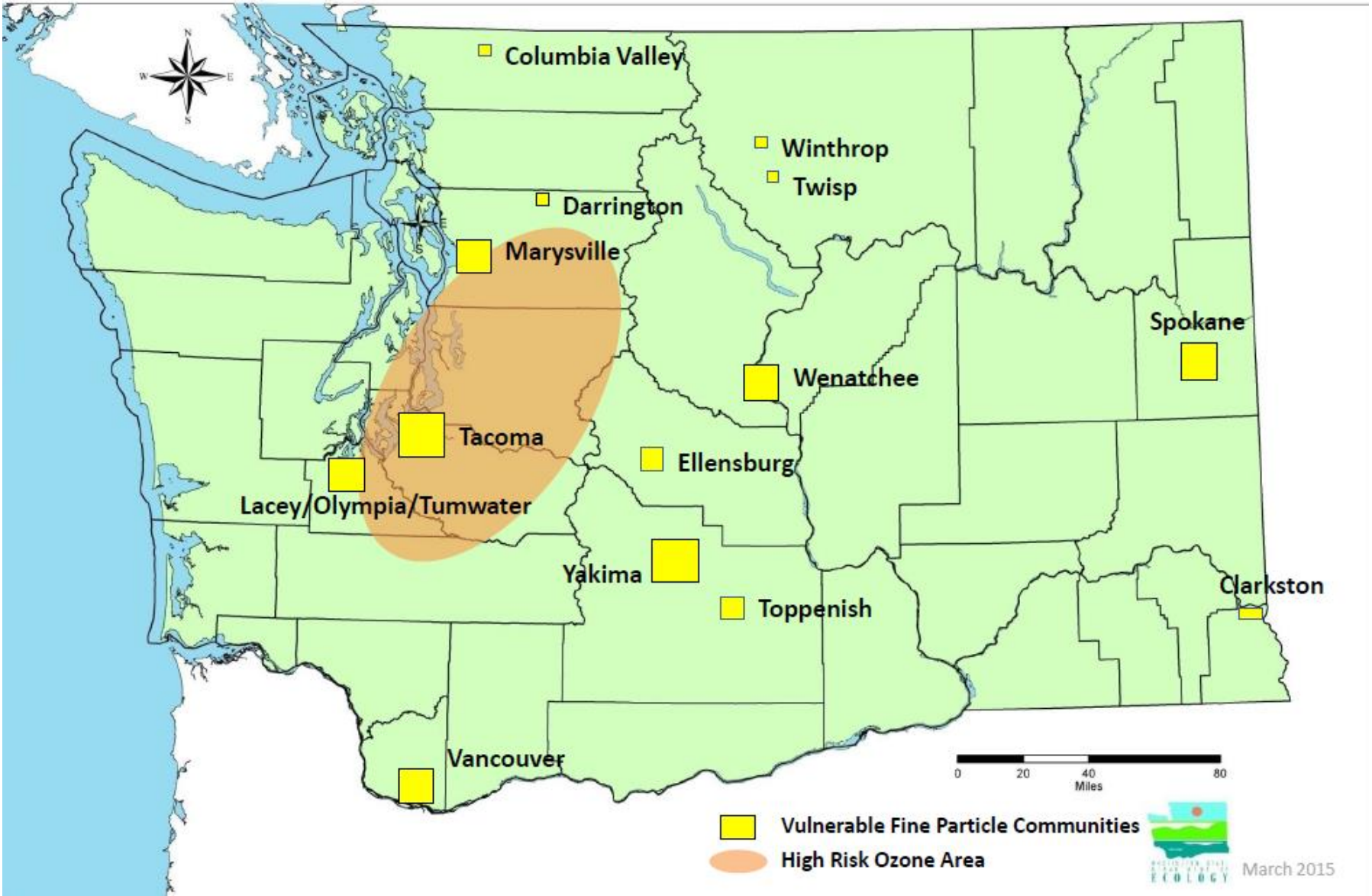
$PM_{2.5}$ = 5 µg/m^3

$PM_{2.5}$ = 30 µg/m^3
long-term mortality
ER visits-asthma
hospital admissions
respiratory symptoms
acute bronchitis
lung function decrements
short-term mortality

Relative Emissions of Fine Particles

pscleanair.org
Puget Sound Clean Air Agency

THREATENED COMMUNITIES



Steve and Valerie Webber

Pierce County Woodstove Program

Tacoma
Pierce County

Grants and Buybacks

Clean stack

Community Meetings

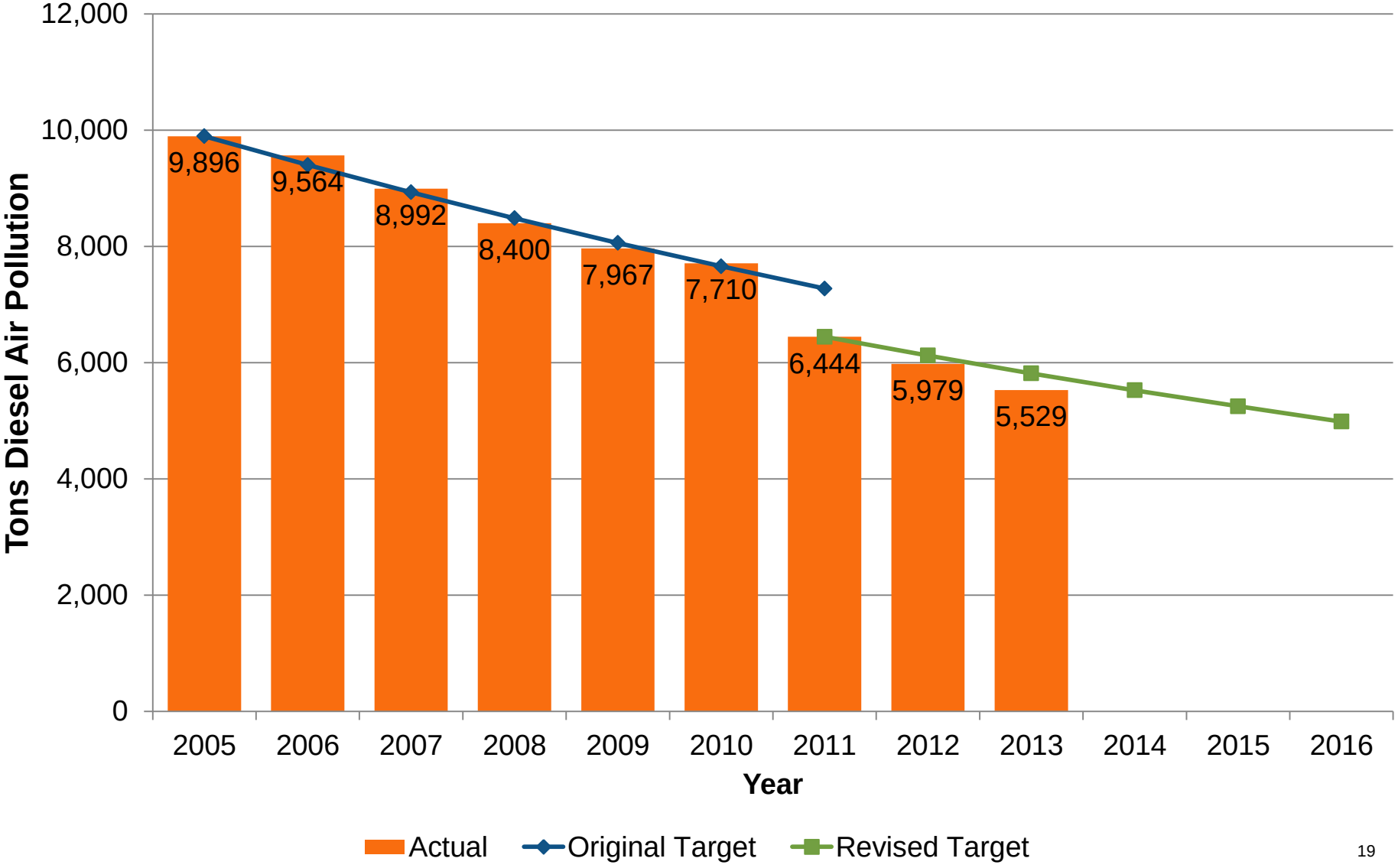
Puyallup meeting

Goal 3: 3.3.a

DECREASE TONS OF TOXIC DIESEL AIR POLLUTION EMITTED FROM MOBILE SOURCES FROM 6,444 TONS TO 5,248 TONS BY 2016.

DIESEL POLLUTION

Goal 3: 3.3.a Decrease tons of toxic diesel air pollution emitted from mobile sources from 6,444 tons to 5,248 tons by 2016.



Washington
State Clean
School Bus
Program

EMERGENCY RESPONSE VEHICLES & MORE

AIR pollution in Washington

is improving