

Population Health Trust Advisory Committee Meeting

Skagit County Board of Health
May 5th, 2016



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner

Agenda

- Welcome & Introductions
- Air Quality Presentation-Polly Dubbel
- Summarize retreat work
- Lessons from Steering Committee
- Overview of Mission and Health Planning
- Suggestions for planning & small group work
- Conversation about roles
- Common Planning Language
- General Updates
 - Indicator Web Site
 - Policy Report - Jennifer
- Closing remarks and next steps



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Introductions

- Members:
 - Name, Organization and role
- Guest:
 - Name and organization?



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Air Quality Presentation

Polly Dubbel, Environmental Health Specialist



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Summarize Retreat



- More time
- Diverse portfolio
- Do we have the bandwidth?
- Promote efforts not particularly do them



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Summarize Retreat

- Shared goals/strategies
- Complicated but need to trust the process
- Mixed understanding about future roles
- More help with selection criteria



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Steering Committee Selection Work

- Agenda work: Reviewed roles and developed an outline for the PHT mtg.
- Explored strategies to help PHT members further the selection process
- Tested a section criteria survey program to see if we could narrow priorities and find the right selection questions

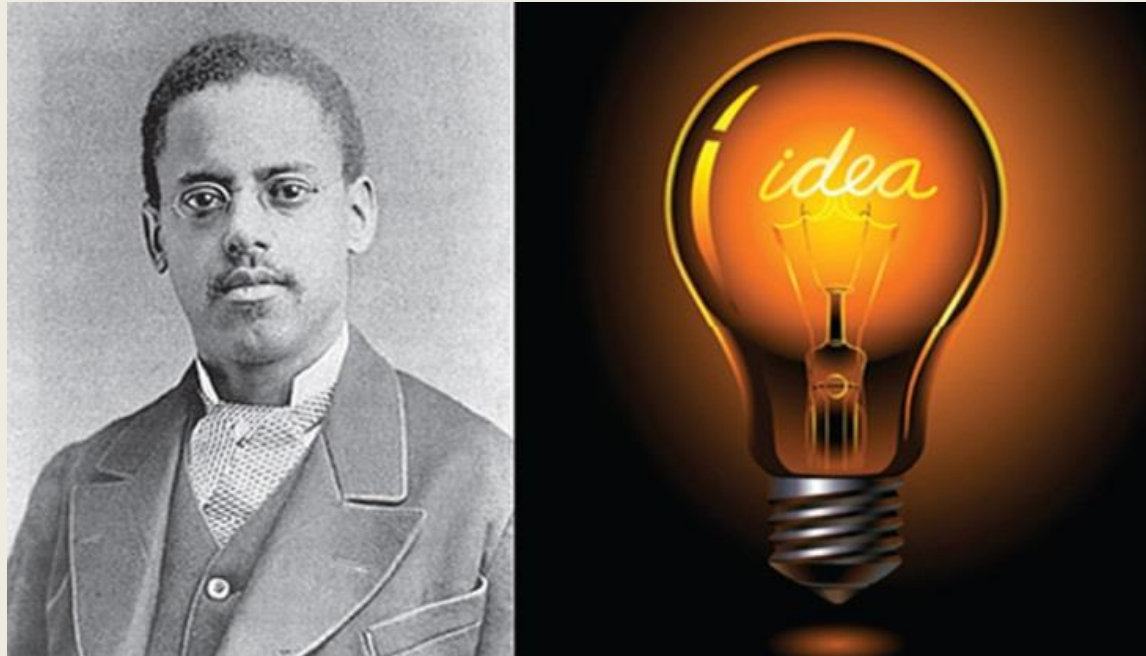


Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Steering Committee Selection Work



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Steering Committee Selection Work

- Our Mission: Working together to improve health for ALL
- We all agreed on the assessment and it was completed. YEAH!



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Planning?



southcoastyoga.wordpress.com



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Planning Principles

- Agree on what matters to the collective “us,” create measurable goals, and ensure accountability towards outcomes
- Align efforts with existing state, county or local priorities when appropriate
- Build on the strengths, experiences and successes of all Skagit County service sectors and their representatives
- Seek community voice



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Do you agree this is what we need?

- Find out what we are capable of as a committee
- Prove we are have value to the community
- Prove we can be successful
- An opportunity to practice together
- A means to maintain momentum
- Confirm that we can reach the ideals of our mission



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Planning task we need to learn?

- How do we develop shared goals and shared outcomes?
- Learn how to build strategy maps together?
- How do we collaborate on issues?
- How we communicate this to the public?
- How we bring partner agency's together?



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

**We don't have to be spectacular,
we just have to be united**

**Out of chaos
comes clarity**



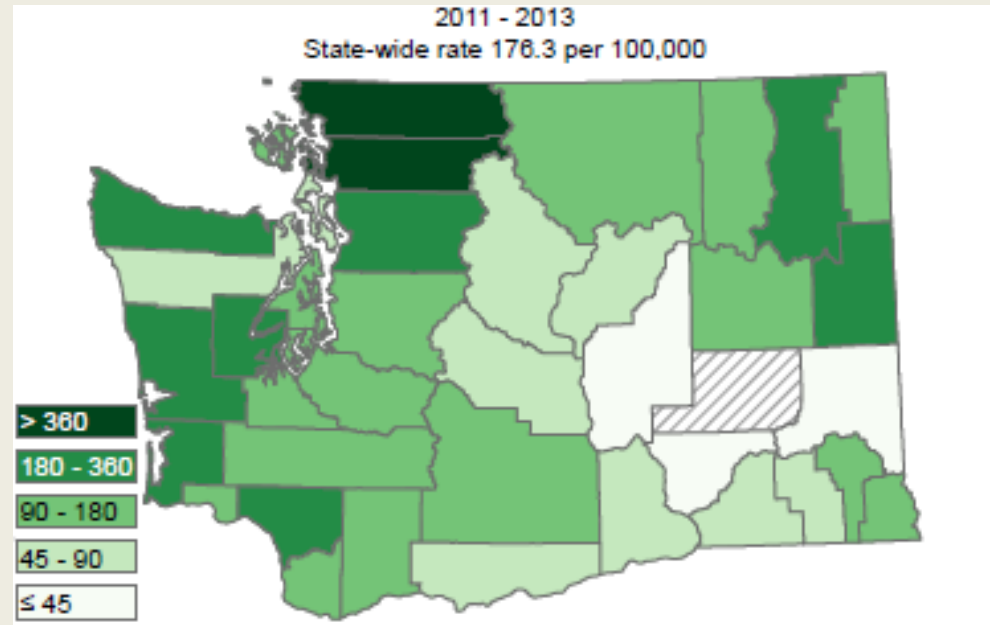
Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Selection Proposal

How about we
“Demo” with
Opioid Use
Disorders?



Publically funded treatment admission rate, any opiate



Skagit County Board of Health - Population Health Trust

“Always working for a safer and healthier Skagit County”

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

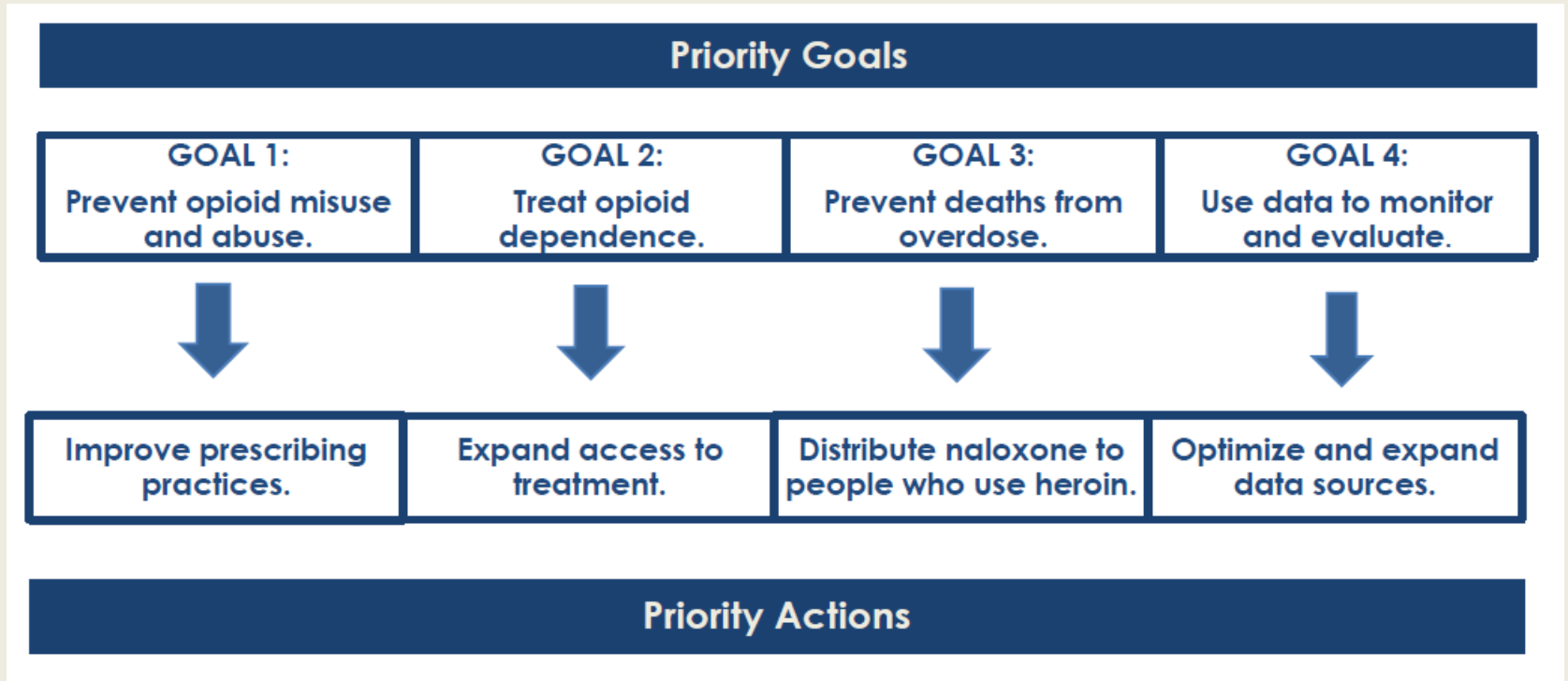


Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Washington State Interagency Opioid Working Plan, 2016



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Selecting Other Priorities

- Ease of accomplishing
- Success for the PHT

Retreat
Count



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

The PHT Queue

One

Two

Three

Four

Five



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*



15 Minutes

www.dreamstime.com



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Population Health Trust Role

- Backbone Functions
- Trust Leaderships Roles
- Advisory to the Board of Health



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Backbone Functions

- Resource Development
 - Grant Procurement/partnerships
 - Fund Development
 - Fiscal Agent (ACH, 1115 Waiver)
 - Recruit and Retain Trust Membership
- Community Health Improvement Plan
 - Shared Goals & Strategies (support)
 - Data Driven (analysis/selection)
 - Data Dashboard



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Trust Leadership Roles

- Assurance
 - Support Data Driven Strategies
 - Monitor & Evaluate Progress (Insightvision)
- Collective Impact
 - Ambassador for Trust Work
 - Convene People & Groups
 - Engage Community Members
 - Form, Participate & Populate Committees/Workgroups
 - Advocacy & Influence
 - Liaison to Community



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Advisory to the Board of Health

- Recommend Health Priorities
- Recommend Policy Strategies



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Strategy

Domain: Care Delivery Redesign

Goal: Bi-Directional Integration of Care

Objectives:

- Address needs of clients not easily engaged in primary care settings
- Improve clients' adherence to treatment regimens
- Reduce avoidable intensive services and settings

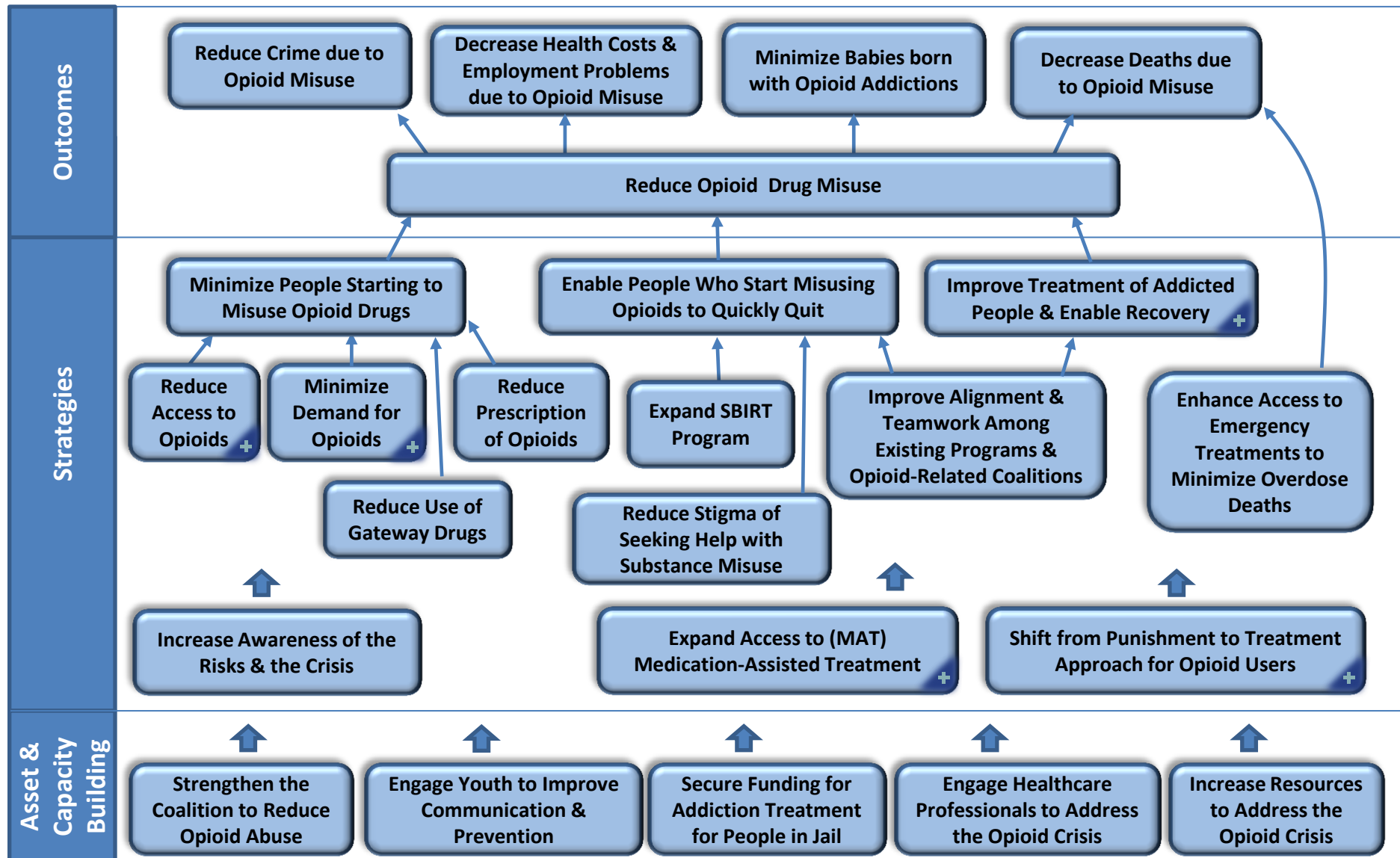
Core components (Activities):

- Establish behavioral health screenings in primary care settings
- Implement patient-centered behavioral health in primary care

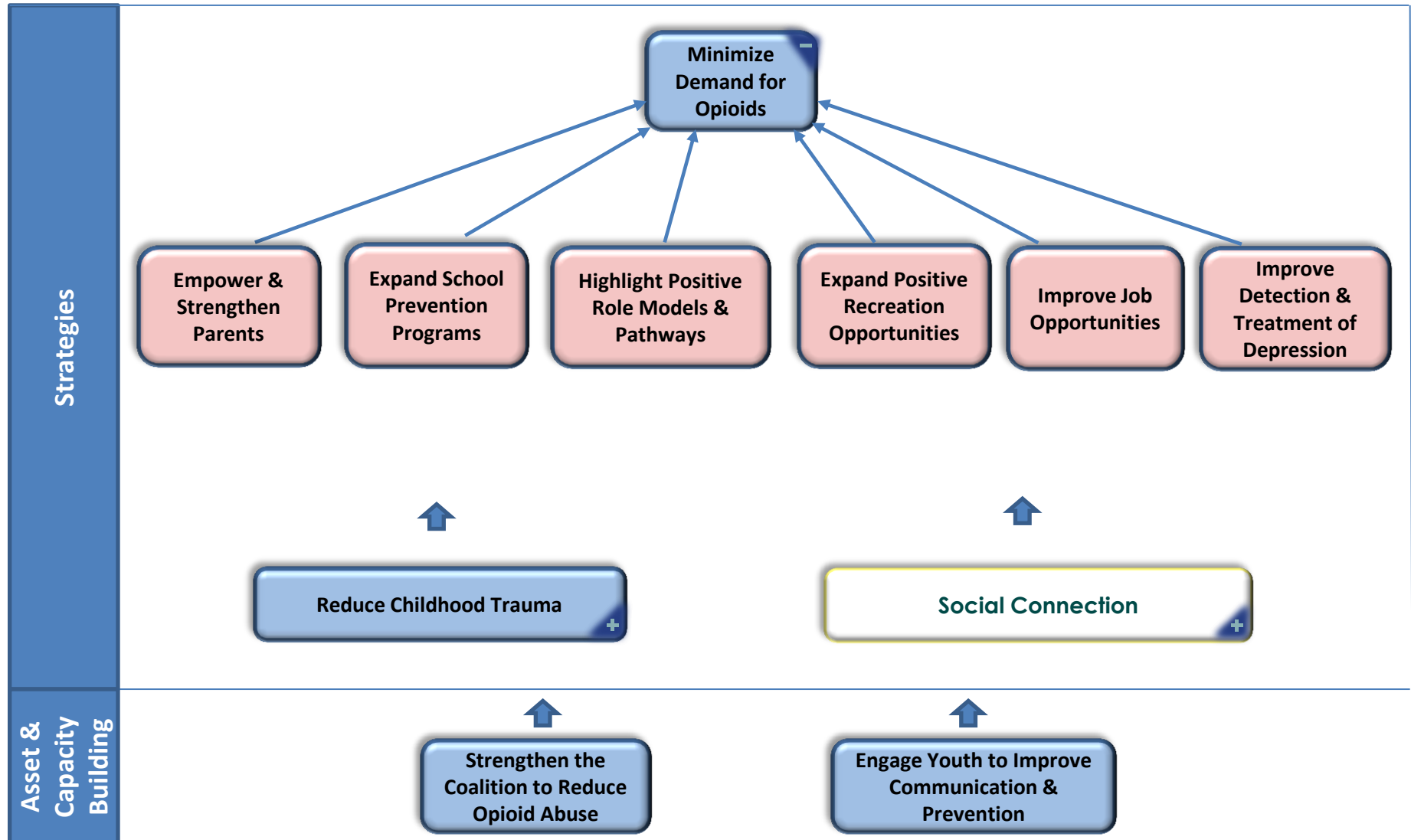
Metrics (Outcomes):

- Consistency with statewide common measures

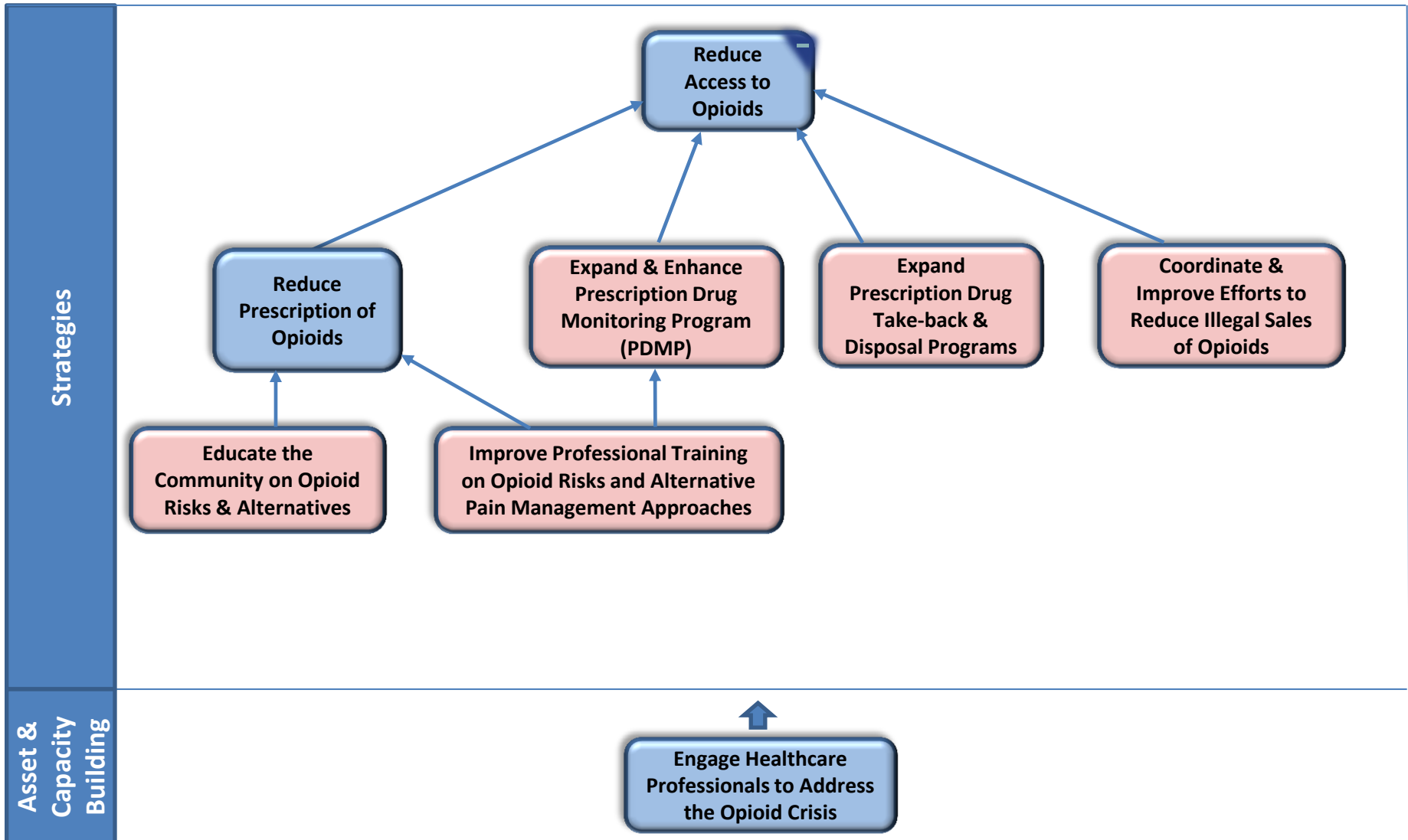
Strategy to Address Opioid & Heroin Abuse



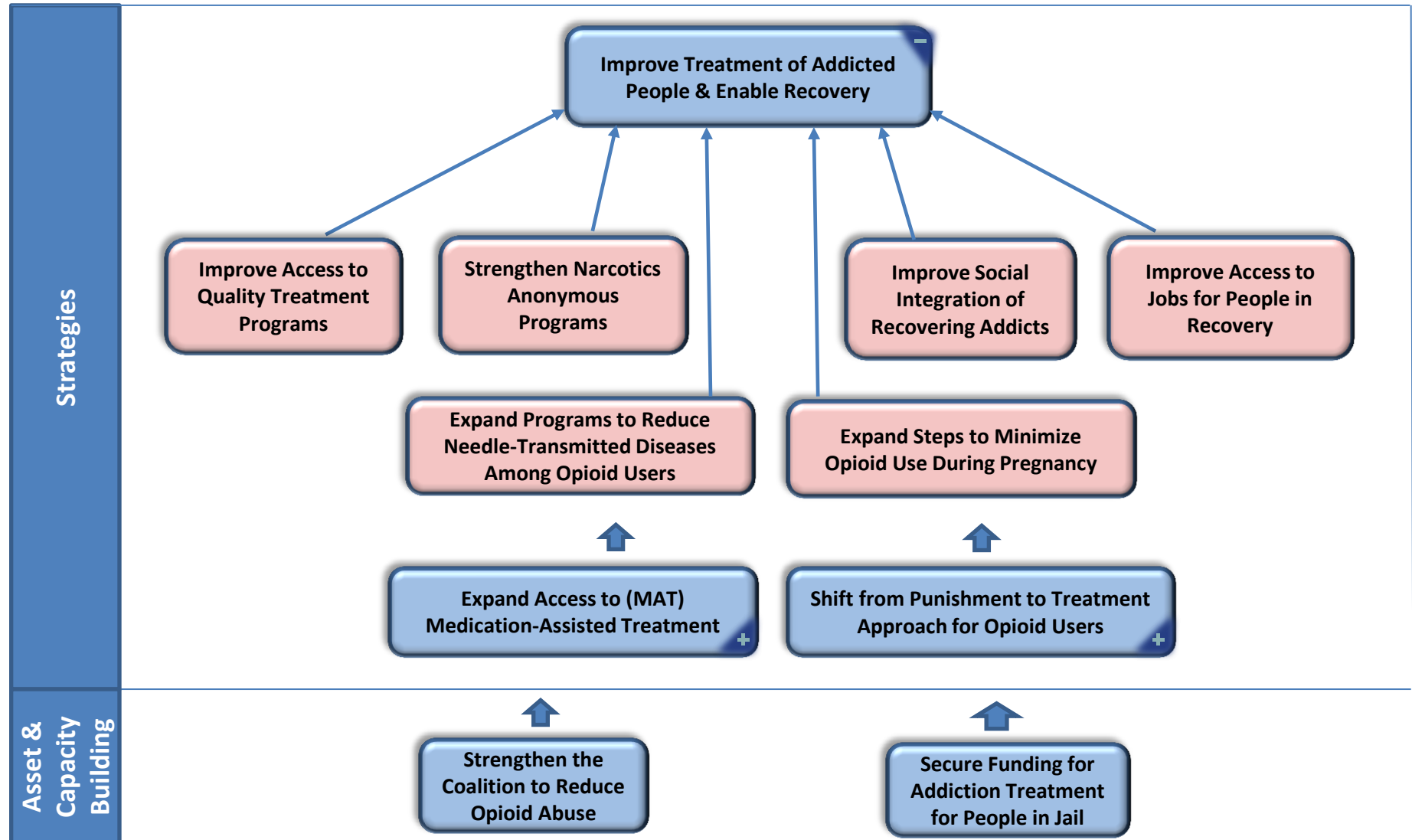
Strategy to Minimize Demand for Opioids



Strategy to Reduce **Access** to Opioids



Strategy to Improve Treatment of Addicted People & Enable Recovery



General Updates

- Policy Sub-Committee, Jennifer Johnson



sonomacounty.golocal.coop



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

General Updates

- Data Indicator Website

Focus Group	Host	Host	Date	Time
Public Safety	Charlie Wend	Will Reichardt	5/31/2016	2:00-4:00
Economic Vitality	John Sterlicht	Terry Belcoe	6/1/2016	9:00-11:00
Education	Mary Ellen Lykins, Karen Wanek	Phil Brockman	6/1/2016	2:00-4:00
Agriculture	Diane Smith	Don McMoran	6/2/2016	9:00-11:00
Recreation & Tourism	Elizabeth McNett Crawl	Carol Hawk	6/13/2016	1:30-3:30
Health	Connie Davis, Margaret Rojas	Chris Johnston	6/14/2016	9:00-11:00
Environment	Joanne Lynn	Tina Willett	6/14/2016	2:00-4:00
Housing	Bob Hicks	Bill Henkel	6/15/2016	9:00-11:00



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*

Next Steps

- **Closing remarks**
- **May Steering Committee Canceled?**
- **June 2nd**
- **Northwest Career & Technical Center**
- **Time: 9:00 to 12:00**



Skagit County Board of Health - Population Health Trust

"Always working for a safer and healthier Skagit County"

*Lisa Janicki, Chair
Kenneth A. Dahlstedt, Commissioner
Ron Wesen, Commissioner*



Skagit County, Washington

Air Quality in Skagit County

Bringing Clarity to a Hazy Topic

Presented by:

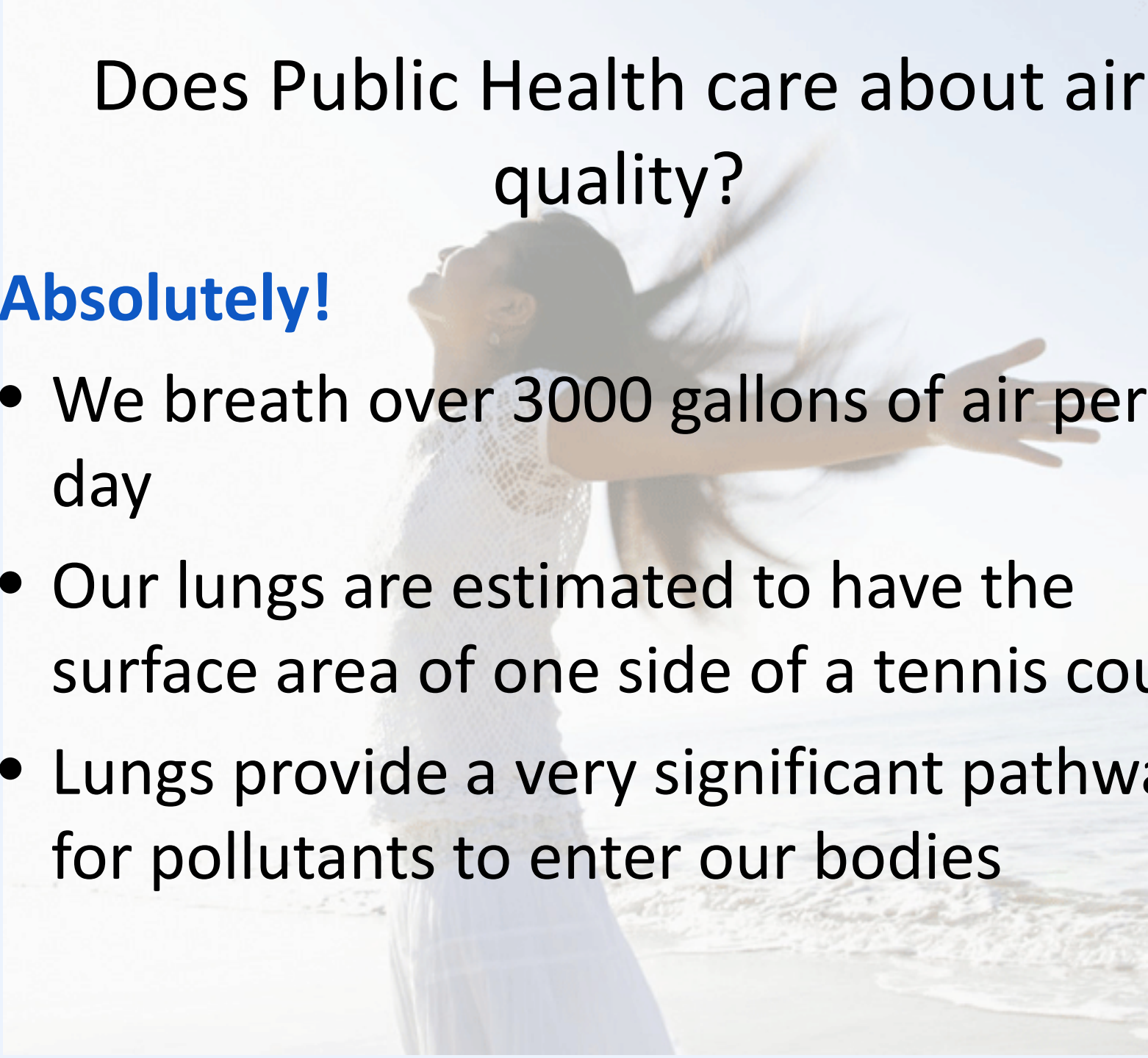
Polly Dubbel, Skagit County Department of Public Health



Does Public Health care about air quality?

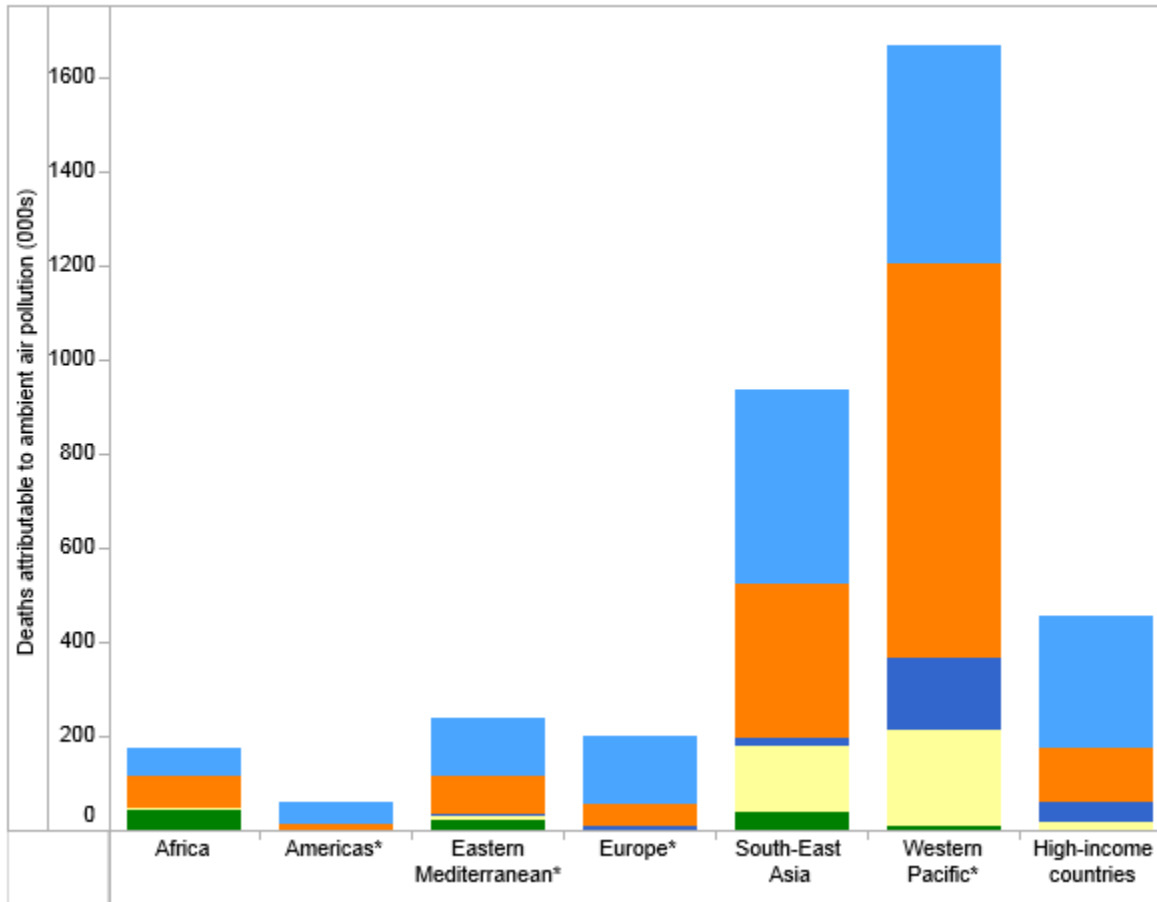
Absolutely!

- We breathe over 3000 gallons of air per day
- Our lungs are estimated to have the surface area of one side of a tennis court
- Lungs provide a very significant pathway for pollutants to enter our bodies



Air pollution can be deadly

Deaths attributable to ambient air pollution (000s)



Select a graph:

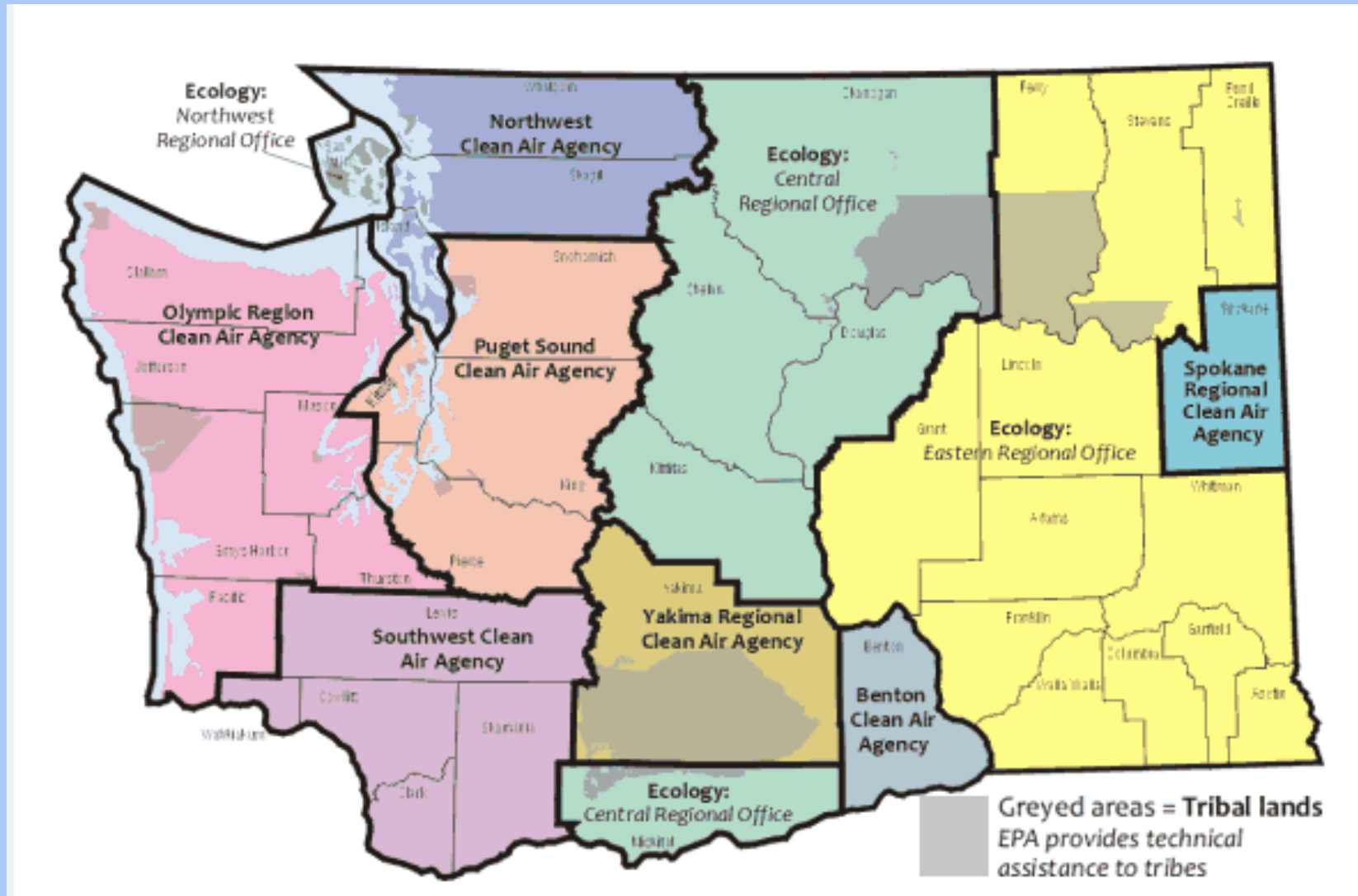
- ☒ Deaths attributable to ambient air pollution (000s)
- ☐ Deaths attributable to ambient air pollution (per 100 000 capita)

- IHD (adults)
- Stroke (adults)
- Lung cancer (adults)
- COPD (adults)
- ALRI (children < 5 years)

IHD: Ischaemic heart disease
COPD: Chronic obstructive pulmonary disease
ALRI: Acute lower respiratory infection

Do Public Health Departments regulate air quality?

No, not in Washington State





What: Similar to Skagit County Environmental Health, NWCAA is a public health regulatory agency

Who: They employ engineers and inspectors who specialize in air quality because....

Air Quality is Complicated!

Or NWCAA for short

Why: NWCAA was created to enforce the Washington Clean Air Act of 1967 – precursor to the Federal Clean Air Act of 1970

How: They are governed by a board consisting mainly of elected officials from their represented area

Regulatory code....Ugh! But if you are interested try reading:

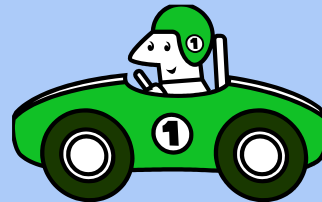
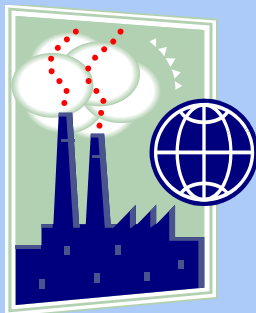


The Plain English Guide To The Clean Air Act

<https://www.epa.gov/clean-air-act-overview/plain-english-guide-clean-air-act>

What the Clean Air Act does in a nutshell:

- Protects health and welfare by establishing national standards for common air pollutants of public health concern
- Requires states to adopt enforceable air pollution control plans.
- Minimizes pollution increases from motor vehicles, and new or expanded industrial plants.



And a whole bunch of other stuff

The CAA has been really effective :

Since 1970:

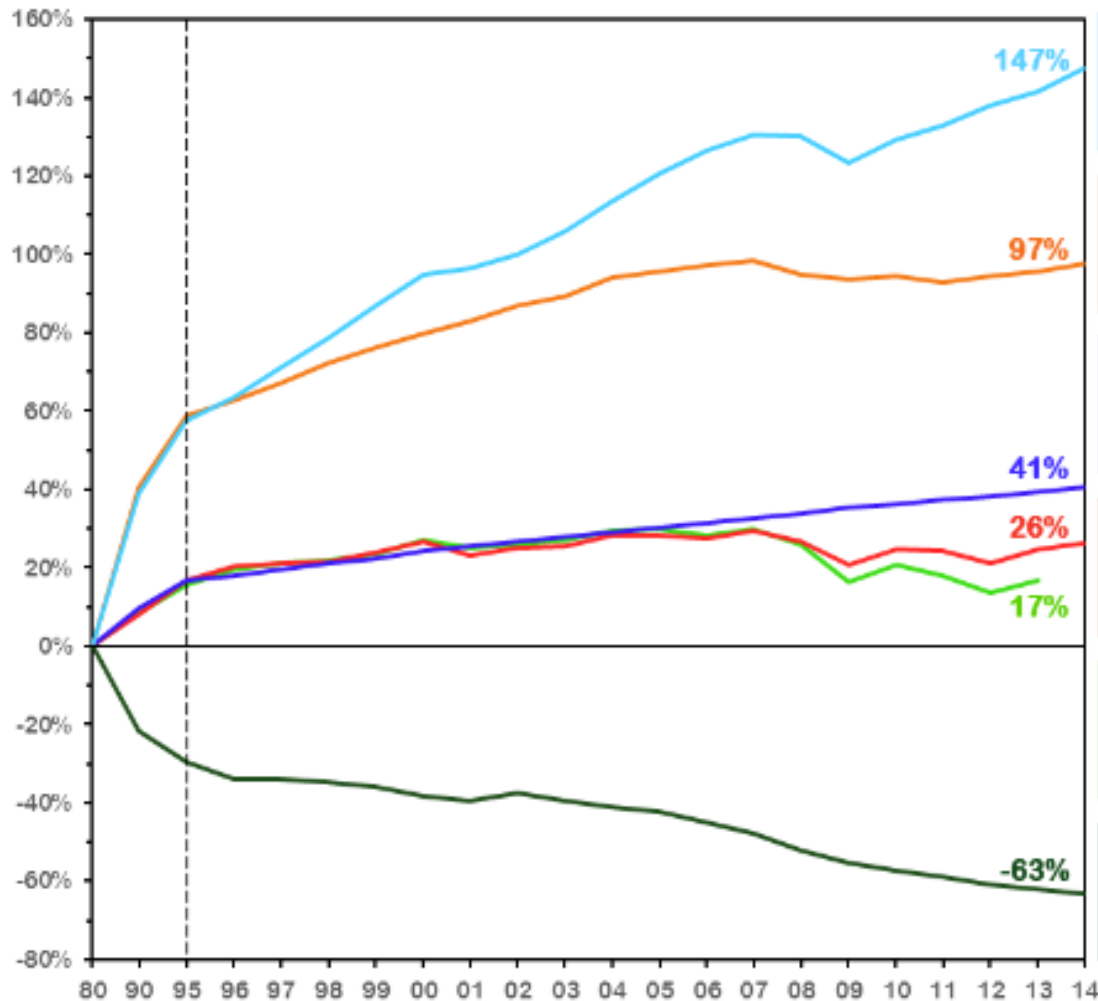
- *The six commonly found air pollutants have decreased by more than 50%
- *Air toxics from large industrial sources have been reduced by nearly 70 %
- *New cars are more than 90% cleaner
- *Production of most ozone depleting chemicals has ceased

At the same time

- *The US Gross Domestic Product has tripled
- *Energy consumption has increased by 50 percent
- *Vehicle use has increased by almost 200%

National data over time shows:

Comparison of Growth Areas and Emissions, 1980-2014



Gross Domestic Product



Vehicle Miles Traveled



Population



Energy Consumption



CO₂ Emissions



Aggregate Emissions
(Six Common Pollutants)

From EPA.gov

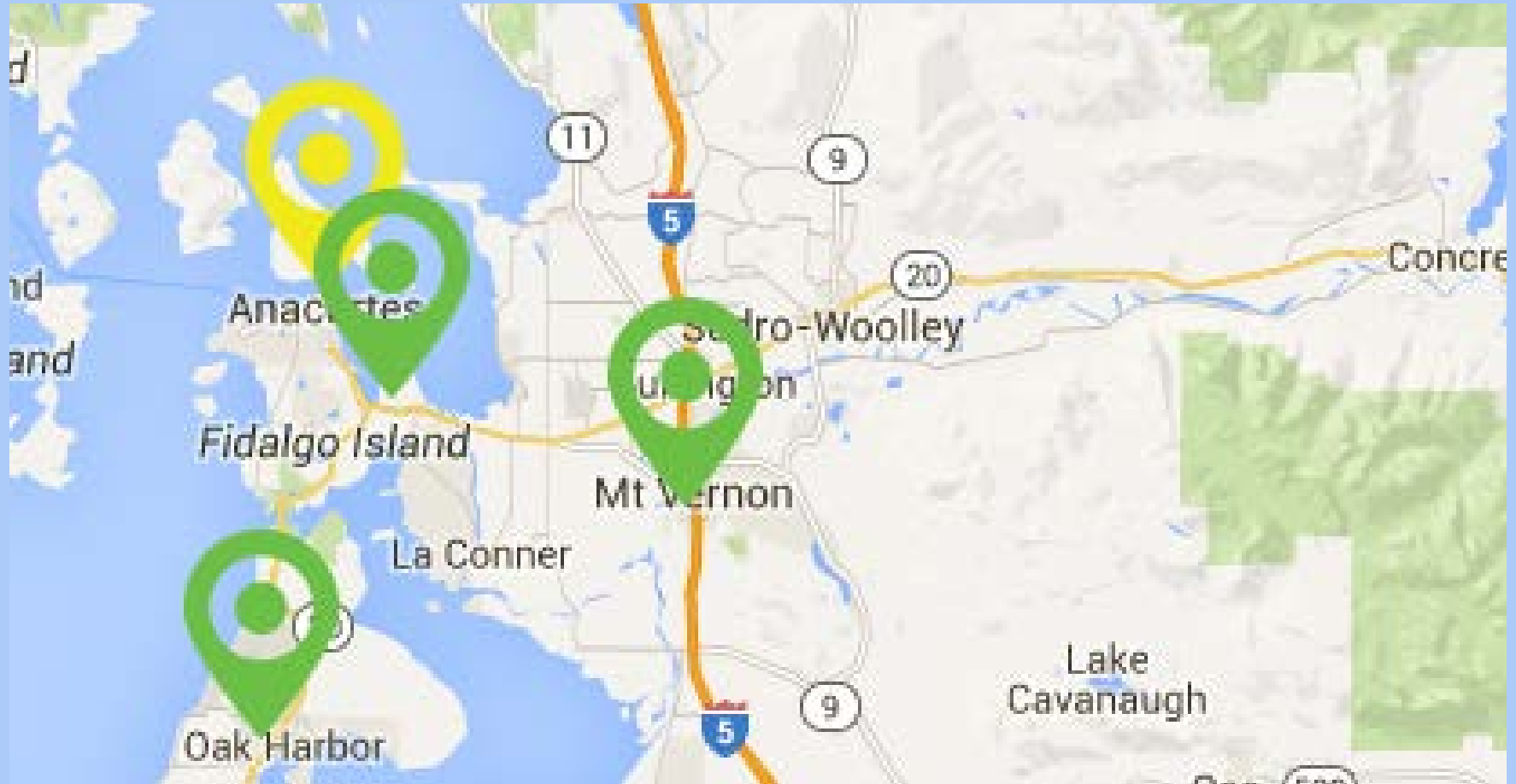
What about data for Skagit County?

Based on monitoring data, Skagit air quality is VERY good

- Check out the data for Skagit County monitors at:
<http://nwcleanairwa.gov/air-quality-center/>
- <http://www.lung.org/assets/documents/healthy-air/state-of-the-air/sota-2016-full.pdf>



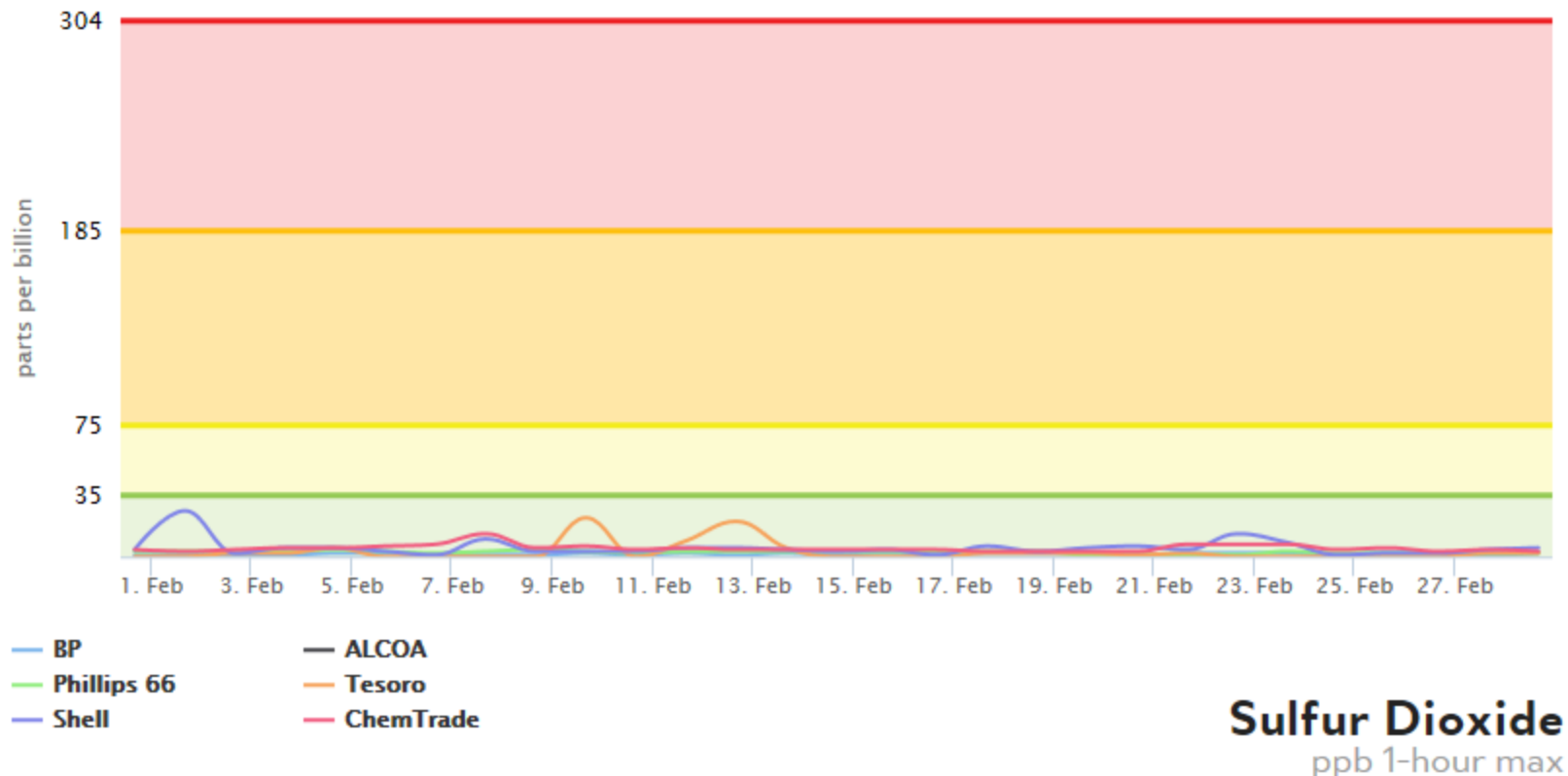
Air Quality Monitor locations and data are available in real time from NWCAA's website



<http://nwcleanairwa.gov/air-quality-center/>

In addition, refineries are required to report fence line monitoring data to NWCAA and this is also available at www.cleanairnw.gov

View ambient monthly air quality reports or fence line monthly air quality reports by using the buttons above.



Within each chart you can turn on and off any monitoring station by selecting it from the list.

EPA.gov is another source of air quality information from Toxic Release Inventory data:

<https://www3.epa.gov/airtrends/aqtrends.html#emission>

TITLE V, SYNTHETIC MINOR & MISC. LARGER SOURCES BY COUNTY	2013 PM ₁₀	2014 PM ₁₀	CHANGE IN PM ₁₀	2013 SO ₂	2014 SO ₂	CHANGE IN SO ₂	2013 NO _x	2014 NO _x	CHANGE IN NO _x	2013 VOC	2014 VOC	CHANGE IN VOC	2013 CO	2014 CO
ISLAND COUNTY	Tons Per Year			Tons Per Year			Tons Per Year			Tons Per Year			Tons Per Year	
Naval Air Station-Whidbey Island	17	15	-2	4	2	-2	9	8	-1	35	30	-5	11	12
Island County Totals	17	15	-2	4	2	-2	9	8	-1	35	30	-5	11	12
SKAGIT COUNTY	Tons Per Year			Tons Per Year			Tons Per Year			Tons Per Year			Tons Per Year	
Air Liquide	1	1	0	0	0	0	9	10	1	2	2	0	6	7
Fibrex Corporation	0	0	0	0	0	0	0	0	0	9	7	-2	0	0
Chemtrade	6	6	-1	186	215	29	10	10	1	0	0	0	12	6
Linde Anacortes Hydrogen Plant	1	2	0	1	1	0	10	11	1	2	3	1	17	16
Nordic Tugs	0	0	0	0	0	0	0	0	0	2	2	0	0	0
Northwest Pipeline GP - Mt. Vernon Station	2	4	2	0	0	0	46	87	41	4	9	5	60	116
Pacific Woodtech	4	10	6	0	0	0	2	2	0	34	40	7	3	3
Puget Sound Energy - Fredonia Station	6	4	-2	2	1	-1	218	134	-84	2	2	-1	2	1
Puget Sound Refining - Shell Oil Company	193	183	-10	466	349	-117	1409	1230	-179	575	392	-183	560	633
Sierra Pacific Industries	45	30	-15	1	2	1	159	144	-15	66	63	-3	277	252
Tesoro Logistics	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Tesoro Northwest Company	145	158	13	236	229	-7	1736	1921	185	782	774	-8	639	487
Skagit County Totals	403	398	-5	892	798	-95	3598	3549	-49	1478	1293	-184	1576	1521

NWCAA regulates stationary sources of air pollution

- 11 businesses in Skagit County that are major sources, also known as Title V sources. Examples:
 - Refineries
 - Chemical companies
 - Co-generation facility
- Dozens of businesses that are Registered Sources
 - Gas stations
 - Spray booths
 - Dry cleaners, etc.



What about other sources of air pollution?

According to EPA, these sources are THE major contributors to air toxics in Skagit County:



NWCAA does not regulate vehicle emissions but they can enforce on excessive smoke from chimneys

Other seasonal sources can also have significant impact on air quality:



When does Public Health get involved in air quality?

- When NWCAA requests assistance with health and air quality risk assessments or messages
- When we have a health concern that falls outside of NWCAA's regulatory jurisdiction, for example - wildfire smoke impacting Concrete
- When the community has questions and concerns regarding indoor air quality
- When our code or programs overlap with air quality

For example...

Solid waste disposal



It is illegal to burn garbage per state and Skagit County solid waste code. It is also illegal per NWCAA code.

NWCAA manages most burning and smoke complaints through the Fire Warden program, funded in part by a per capita fee from their jurisdictional counties.

Toxic smoke!!!

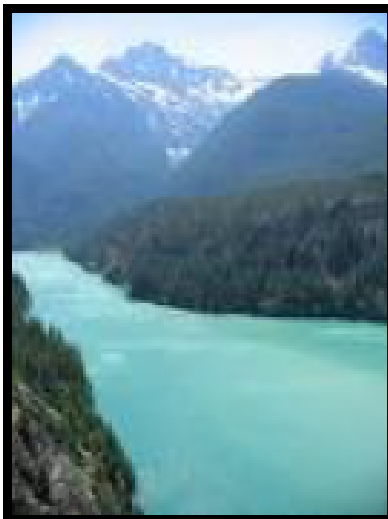
The Fire Warden for Skagit County is Bonnie LaCount. We work closely with Bonnie on illegal garbage or other solid waste burning. We can choose to do enforcement through one of our programs or both enforce if necessary.



Local Source Control



Local Source Control



Working With
Businesses to Reduce
Pollution

Environmental Public Health provides technical assistance visits to businesses that:

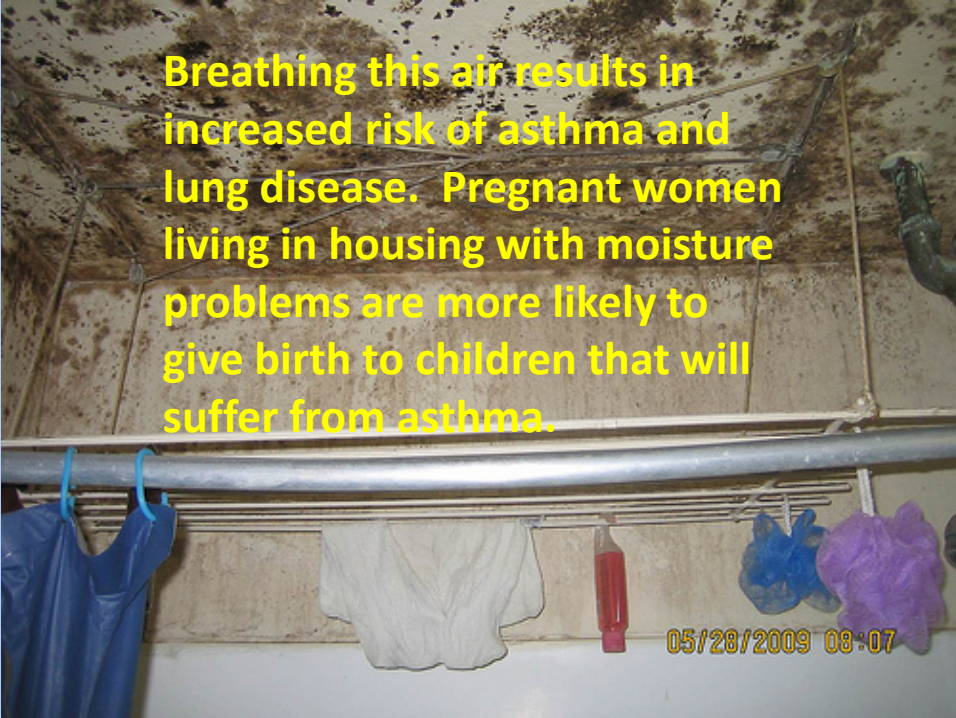
- Store and use hazardous chemicals
- Have the potential to produce dangerous waste
- Have the potential to impact stormwater on their site

These businesses can also be regulated as Registered Sources by NWCAA for example:

- Dry cleaners
- Spray coaters
- Gas stations

We work with NWCAA inspectors and may do joint visits or coordinate information between our programs to assist businesses in understanding pollution prevention requirements.

Indoor Air Quality – MOLD!

A photograph showing a ceiling with significant mold growth. A yellow text box is overlaid on the image. Below the ceiling, there is a metal rod with various items hanging from it, including a blue plastic bag, a white cloth, a red bottle, and a purple plastic bag. A timestamp '05/28/2009 08:07' is visible in the bottom right corner of the photo.

Breathing this air results in increased risk of asthma and lung disease. Pregnant women living in housing with moisture problems are more likely to give birth to children that will suffer from asthma.

NWCAA and Environmental Public Health both receive dozens of complaints per year concerning mold and moisture issues in housing.

Over the past 20 years NWCAA invested significant effort into creating training and materials to educate the public on the health hazards and corrections to moisture problems in living spaces and schools.

Environmental Health Specialists participated in this training and can provide printed materials, web links, and verbal guidance on mold and moisture issues.

NWCAA currently provides information only through their website but this information is excellent. Check it out at:

<http://nwcleanairwa.gov/projects/indoor-air-quality/>

Indoor Air Quality - Radon

- Second leading cause of lung cancer
- Odorless, tasteless, radioactive gas released from certain types of rocks. Naturally occurring.
- Can enter homes through basements or crawl spaces and accumulate to hazardous levels that cause cell damage over long exposure times.
- Washington State Health Department, EPA, and American Lung Association maintain web information including maps and testing guidance.

Indoor Air Quality - Radon

Radon Test Results 1989-2015

Geography: Census Tract, Year: All Years



About radon from American Lung Association: <http://www.lung.org/about-us/blog/2016/01/getting-up-close-and-personal-with-radon.html>

Radon data from Washington Tracking Network:
<https://fortress.wa.gov/doh/wtn/WTNPortal/home/#!q0=868>

Thanks for participating in this VERY brief tour of air quality and air regulation in Skagit County

If you have questions for NWCAA:

info@nwcleanairwa.gov

www.nwcleanairwa.gov

360-428-1617

If you have questions for Environmental Public Health:

EH@co.skagit.wa.us

www.skagitcounty.net/EH

360-416-1555

Presented by: Polly Dubbel, Environmental Health Specialist,
Skagit County Department of Public Health