



P I N A L • C O U N T Y

Wide open opportunity

Pinal County Air Quality Department

Strategic Business Plan Alignment Maps

July 31, 2008

Air Quality Mission

The Mission of the Air Quality Department is to provide assessment, permitting, education, planning and enforcement services to residents, businesses and leaders of Pinal County so they can breathe and enjoy clean air.



Pinal County Air Quality

Strategic Business Plan Alignment Map 1 of 6

Issue 1 - PM10 (Dust)

Prevailing airborne Particulate Matter10 (PM10)(Dust) levels in Pinal County already violate the Environmental Protection Agency's (EPA) health-based air quality standards. Increasing population, lot splitting, traffic, and recreational activity generate additional emissions. In addition, the development encroaching on existing emission sources increases citizen exposure to dust pollution. If not addressed, this situation will result in:

- An increase in adverse health impacts, with the most severe impacts expected to affect the elderly, the young and those with respiratory problems;
- Degradation in the quality of life, including nuisance impacts, reductions in visibility and loss of panoramic vistas.
- Increased regulatory mandates and limitations on industrial, development, consumer, recreational, and governmental activities, which might include unfunded mandates to public and private interests alike to pave all dirt roads.
- Imposition of sanctions by the federal government, ultimately leading to a crippling loss of federal highway funding.

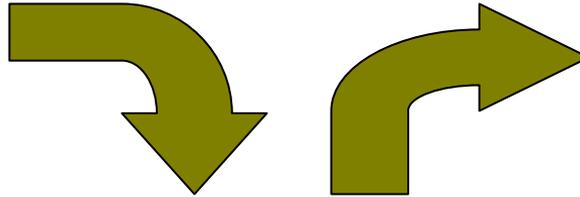
Issue 2 - Ozone

Although prevailing ozone levels in the air in parts of Pinal County currently meet the EPA's health-based air quality standards, the margin of safety is small. Other areas of Pinal County exceed those standards. Increasing population, traffic, and commercial development produce additional emissions and will contribute toward an increasing ozone level in Pinal County. That increase endangers compliance with the current ozone standard throughout most, if not all, of the County. If not addressed, this situation will result in:

- Increased incidence of adverse health impacts, with the most severe impacts expected to affect the elderly, the young and those with respiratory problems.
- Diminished attractiveness of Pinal County as a place to live and do business.
- Citizens being subjected to the inconvenience and expense of auto emission testing, which in some cases will actually prevent citizens from registering their vehicles.
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Pinal County Strategic Priorities

Does not align to Strategic Priorities



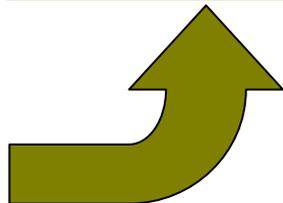
AIR QUALITY DEPARTMENT STRATEGIC GOAL #1 (Part I):

Dust and Ozone Reduction

Residents throughout Pinal County will benefit from avoiding the adverse health impacts associated with air pollution. In addition residents, businesses and governing bodies throughout Pinal County will benefit from avoiding, or relieving, the regulatory burdens associated with a non-attainment designation.

Achieving those benefits will be evidenced by:

- By 2012, every PM10 dust monitoring site achieving a ratio of at least 99.7% healthy days per year, including those sites where the current fraction of healthy days ranges, as of 2008, anywhere from 95% to as low as 40% per year.
- By 2012, 100% compliance with the PM10 dust ambient air quality standard, including those sites that current violate the standard anywhere from 5% to 60% of the time.
- By 2012, every ozone monitoring site maintaining a ratio of at least 99.2% healthy days per year, including those sites where the current fraction of healthy days ranges, as of 2008, anywhere from 100% to as low as 98.4% per year.



The purpose of the **Monitoring Activity** is to provide data reporting and assessment services to Pinal County residents and Air Quality personnel so they can have access to accurate and timely data.

Results

1. % of air quality data captured:
 - 80% of PM10 and PM2.5 data captured
 - 80% of ozone data captured
2. 100% of instrument calibrations and verifications that are within tolerance limits
3. 100% of days in which morning reports were posted by 9:00 A.M

The purpose of the **Compliance Activity** is to provide regulatory oversight, compliance assistance and mediation services to businesses in Pinal County so they can comprehend and apply air quality rules and regulations.

Results

1. 85% of industrial sources that are in compliance with air quality rules as determined from report reviews and inspections.
2. 85% of dust source site visits that show substantial compliance with air quality rules. [*Substantial Compliance = No Notice of Violation (NOV) or Notice of Opportunity to Correct (NOC) issues.*]
3. 80% of initial responses to customer complaints handled within 3 business days.
4. 80% Class I and 8% Class II industrial source inspections in 2008

**See Next Page for
Additional Activities
Aligned to this Goal**



Pinal County Air Quality Strategic Business Plan Alignment Map 2 of 6

Issue 1 - PM10 (Dust)

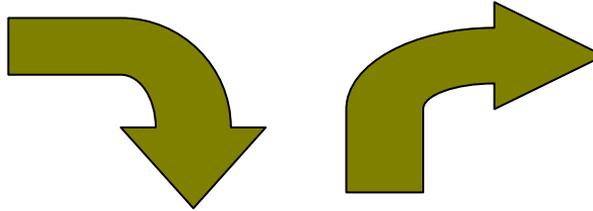
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AIR QUALITY DEPARTMENT STRATEGIC GOAL #1 (Part II):

Dust and Ozone Reduction

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- By 2012, every ozone monitoring site maintaining a ratio of at least 99.2% healthy days per year, including those sites where the current fraction of healthy days ranges, as of 2008, anywhere from 100% to as low as 98.4% per year.

The purpose of the **Planning Activity** is to provide air quality planning and coordination services to Pinal County Residents so they can enjoy and breathe healthy air.

Results

1. % healthy days per year achieved at each monitoring site for:
 - 94% healthy days per site for PM10 (dust) [NOTE: Excluded Cowtown]
 - 98% healthy days per site for Ozone
2. 90% compliance with PM10 (Dust) ambient air quality standards
3. 75% of significant transportation and land use proposals reviewed by the planning department in each of the political subdivisions in Pinal County will consider air quality benefits and impacts of the project
4. By 2012, increase the current level of X% of citizens stating they are satisfied with the prevailing visibility levels in Pinal County to an X+10% satisfaction level. **(CITIZEN SURVEY)**
5. By 2012, increase the current (2008) level of X% of citizens stating they are satisfied with services provided by Air Quality to an X+10% satisfaction level. **(CITIZEN SURVEY)**

The purpose of the **Enforcement Activity** is to provide administrative and judicial remedy services for the residents of Pinal County so they can benefit from cleaner air quality through changing the behavior of violators.

Results

1. 90% of industrial violators that remain in compliance for 24 months from the original enforcement settlement date
2. 80% of dust violators that remain in compliance for 6 months from the original enforcement settlement date

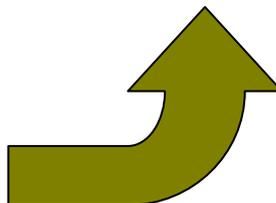
The purpose of the **Travel Alternatives Activity** is to provide travel options and travel reduction services (such as vanpools, carpools and dedicated parking spaces) to Pinal County commuters so they can travel on less congested roads in Pinal County.

Results

1. 40% of surveyed employees at mandatory and voluntary employers in the Travel Reduction Programs participating in alternative method usage
2. 0.5% of residents who participate in the ozone contest

Pinal County Strategic Priorities

Does not align to Strategic Priorities





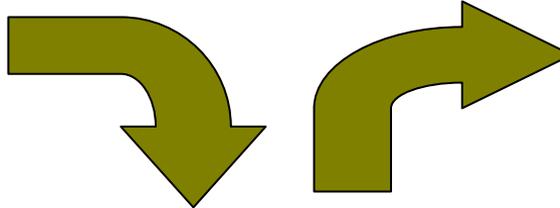
Pinal County Air Quality

Strategic Business Plan Alignment Map 3 of 6

Issue 1 - Planning

The continuing lack of primary focus on air quality issues in the land-use-planning- and transportation-planning-processes (at every level of government), if not addressed will result in:

- An increased number of Pinal County residents being exposed to elevated levels of air pollution when subdivisions are built next to emission sources or foreseeable emission sources, such as feed lots and rock quarries.
- Increased costs and restricted options for governments to address air quality issues on an after-the-fact basis.



AIR QUALITY DEPARTMENT STRATEGIC GOAL #2:

Planning

Pinal County policymakers will benefit from a clearer understanding of the local options for mitigating air pollution and the local consequences of air pollution. Achieving that benefit will be evidenced by:

- By 2010, 75% of the significant transportation and land use proposals reviewed by the planning departments in each of the political subdivisions throughout Pinal County will consider air quality benefits and impacts of the projects.

The purpose of the **Planning Activity** is to provide air quality planning and coordination services to Pinal County Residents so they can enjoy and breathe healthy air.

Results

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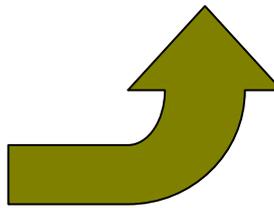
The purpose of the **Information and Educational Activity** is to provide air quality data, information and education services to Pinal County residents so they can have a better understanding and awareness of air quality issues.

Results

1. % of Pinal County residents who state they have a better understanding and awareness of air quality issues **(CITIZEN SURVEY)**
2. 5% increase in hits to Air Quality monitoring/forecasting website from 7,800 to 8,190

Pinal County Strategic Priorities

Growth



Pinal County Air Quality

Strategic Business Plan Alignment Map 4 of 6

Issue 1 - PM10 (Dust)

Prevailing airborne Particulate Matter₁₀ (PM₁₀)(Dust) levels in Pinal County already violate the Environmental Protection Agency's (EPA) health-based air quality standards. Increasing population, lot splitting, traffic, and recreational activity generate additional emissions. In addition, the development encroaching on existing emission sources increases citizen exposure to dust pollution. If not addressed, this situation will result in:

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Issue 2 - Ozone

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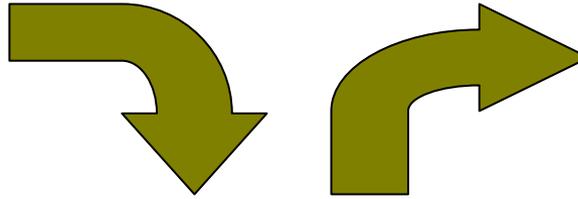
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Issue 5 – Education

The ever-evolving definition of what constitutes air pollution, the continuing lack of a demonstrated correlation between air quality and local health outcomes, changing levels of citizen-exposure resulting from an increasing population and evolving land use patterns, all combine to confound the ability of citizens to appreciate the degree to which they are exposed to harmful air pollution. That confusion, if not addressed, will impair citizens' ability to engage in a public policy debate about how to protect themselves against harmful air pollution.

Pinal County Strategic Priorities

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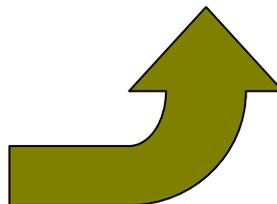
AIR QUALITY DEPARTMENT

STRATEGIC GOAL #3 (Part I):

Education

The residents of Pinal County will benefit from an enhanced awareness of air pollution, health impacts of air pollution and the air pollution mitigation options. Achieving that benefit will be evidenced by:

- By 2012, increase the current level of X% in citizen awareness of the correlation between air pollution levels and health outcomes in Pinal County to an X+25% understanding level (completed through a health risk awareness survey) **(CITIZEN SURVEY)**
- By 2010, increasing "hits" on the Air Quality monitoring/forecasting website by at least 10% over the current level of 7,800 "hits" per year
- By 2012, reduce on road traffic by increasing county wide participation in the alternative method usage (van pools, car pools, tele-working, etc.) from 38% of commuters to 40% of commuters.
- By 2010, increase county-wide participation in Pinal County's Ozone Contest from 0.3% of residents to 0.5% of residents.
- By 2012, increase the current (2008) level of X% of citizens stating they are satisfied with the prevailing visibility levels in Pinal County to an X+5% satisfaction level. **(CITIZEN SURVEY)**



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Additional Activities
Aligned to this Goal**

Pinal County Air Quality Strategic Business Plan Alignment Map 5 of 6

Issue 1 - PM10 (Dust)

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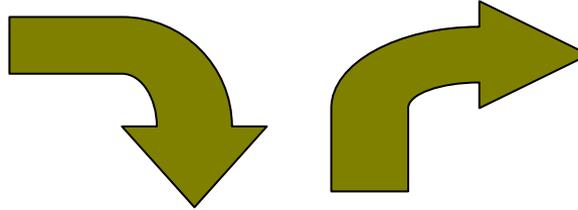
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AIR QUALITY DEPARTMENT STRATEGIC GOAL #3 (Part II):

Education

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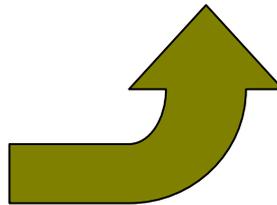
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PINAL COUNTY
Wide open opportunity

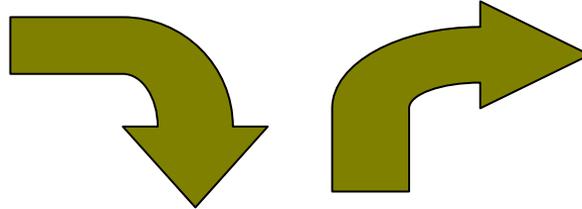
Pinal County Air Quality

Strategic Business Plan Alignment Map 6 of 6

Issue 4 – Funding Gap

Slowing development resulting in falling dust permit revenues, coupled with higher costs for technologically improving monitoring equipment burdens to address an anticipated ozone non-attainment designation and increased costs resulting from responding to higher complaint levels associated with an increasing population will trigger a revenue imbalance, which if not addressed will cause degradation in levels of service as evidenced by:

- Slower response to citizen complaints.
- Impaired capacity to develop a monitoring system to reflect citizen exposure in newly developing areas.
- Impaired capacity to provide citizens with timely communication regarding air quality issues.
- A threat to the capacity to maintain existing monitoring of citizens' exposure to air pollution.
- Inadequate capacity to develop a plan that will adequately protect citizens from ozone pollution.



AIR QUALITY DEPARTMENT

STRATEGIC GOAL #4:

Funding/Customer Service

Pinal County residents will benefit by Pinal County Air Quality achieving fee levels adequate to continue and enhance air quality service delivery. Achieving that benefit will be evidenced by:

- By 2010, presenting to the BOS a fee-revision proposal to achieve at least 90% parity relative to the fees of other Arizona air quality regulatory agencies
- By 2010, 80% of initial responses to citizen complaints will be handled within 3 business days.
- By 2012, increase the current (2009) level of *% of citizens stating they are satisfied with services provided by Air Quality to an X+5% satisfaction level. (CITIZEN SURVEY)

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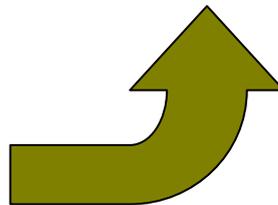
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Pinal County Strategic Priorities

Does not align to Strategic Priorities





Pinal County Air Quality

Cross Cutting Issues

Issue Statement #1 – PM10 (Dust)

Goal #1 - Dust and Ozone Reduction

Cross Cutting with: Public Health Services District, Horizon and Long Term Care

Need: Respiratory and heart related hospital and/or doctor visits data by date and location needed in order to determine if there's a correlation with PM10 and ozone exceedance days.

Issue Statement #2 – Ozone

Goal #1 - Dust and Ozone Reduction

Cross Cutting with: Public Health Services District, Horizon and Long Term Care

Need: Respiratory and heart related hospital and/or doctor visits data by date and location needed in order to determine if there's a correlation with PM10 and ozone exceedance days.

Issue Statement #3 - Planning

Strategic Goal #2 – Planning

Cross Cutting with: Public Works and Planning and Development

Need: Invitation to Public Works and Planning land use and transportation planning process and opportunity to provide air quality related comments.

Issue Statement #5 - Education

Strategic Goal #3– Education

Cross Cutting with: County Public Information Officer and Public Health Services District

Need: Public outreach opportunities such as fairs, school events, public health functions, etc.

Issue - Increase in alternative traffic options

Cross Cutting with: Human Resources, Planning and Development and Public Works

Need: Increased regular dialogue with HR and more written guidance/policy as to how vanpools and other travel alternatives are handled by the County.