Statewide 2014 PM2.5 Emissions

- Wildfire: 32%
- Agriculture: 25%
- Mobile: 17%
- Prescribed fire: 17%
- Other: 2%
- Stationary sources: 5%
- Crop Residue Burning: 1%
- Home Heating: 1%
County Level 2014 PM2.5 Emissions

Ada County

- Mobile: 39%
- Stationary sources: 23%
- Other: 17%
- Prescribed fire: 1%
- Wildfire: 0%
- Agriculture: 16%
- Crop Residue Burning: 0%
- Home Heating: 0%

Idaho County

- Wildfire: 80%
- Mobile: 2%
- Stationary sources: 0%
- Prescribed fire: 14%
- Other: 0%
- Agriculture: 3%
- Crop Residue Burning: 1%
- Home Heating: 0%
County Level 2014 PM2.5 Emissions

Valley County
- Agriculture: 5%
- Stationary sources: 3%
- Wildfire: 9%
- Prescribed fire: 43%
- Mobile: 39%
- Home Heating: 1%
- Crop Residue Burning: 0%

Shoshone County
- Agriculture: 0%
- Home Heating: 1%
- Mobile: 12%
- Wildfire: 20%
- Stationary sources: 9%
- Prescribed fire: 58%
- Other: 0%
Shoshone County (West Silver Valley)
PM2.5 Concentrations

<table>
<thead>
<tr>
<th>Years</th>
<th>Q1</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>Annual</th>
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<tbody>
<tr>
<td>2010</td>
<td>22.61</td>
<td>4.93</td>
<td>6.40</td>
<td>19.03</td>
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<td>2011</td>
<td>15.60</td>
<td>5.16</td>
<td>6.07</td>
<td>21.01</td>
<td>11.96</td>
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<td>2013</td>
<td>18.03</td>
<td>6.86</td>
<td>7.75</td>
<td>23.87</td>
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<td>2014</td>
<td>15.52</td>
<td>5.41</td>
<td>8.31</td>
<td>22.14</td>
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<table>
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<tr>
<th>3-Year Rolling Average</th>
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<tr>
<td>2010–2012</td>
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<td>5.72</td>
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<tr>
<td>2011–2013</td>
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<td>17.58</td>
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<td>6.16</td>
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<tr>
<td>2012–2014</td>
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<tr>
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<table>
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<tr>
<th>5-Year Baseline Average</th>
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<td>2010–2014</td>
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<td>18.09</td>
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<td>6.26</td>
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Shoshone County (WSV NAA)
Conclusions

• Biomass burning major contributor
• Seasonal Pattern in concentrations
• Early Autumn increased contributions
• Activity level of local sources
Thank you