

**UTAH HISTORICAL SUMMARY**  
**WINTER AIR QUALITY ALERT PROGRAM**

|                   | WINTER             | SALT LAKE COUNTY<br>(days) |           | DAVIS COUNTY<br>(days) |           | UTAH COUNTY<br>(days) |           | WEBER COUNTY<br>(days) |           | CACHE COUNTY<br>(days) |           | TOOELE COUNTY<br>(days) |           |     |
|-------------------|--------------------|----------------------------|-----------|------------------------|-----------|-----------------------|-----------|------------------------|-----------|------------------------|-----------|-------------------------|-----------|-----|
|                   |                    | Voluntary                  | Mandatory | Voluntary              | Mandatory | Voluntary             | Mandatory | Voluntary              | Mandatory | Voluntary              | Mandatory | Voluntary               | Mandatory |     |
| <b>PM2.5</b>      | <b>2018-2019</b>   | <b>2</b>                   | <b>0</b>  | <b>0</b>               | <b>0</b>  | <b>0</b>              | <b>0</b>  | <b>0</b>               | <b>0</b>  | <b>0</b>               | <b>0</b>  | <b>0</b>                | <b>0</b>  |     |
|                   | <b>2017-2018</b>   | <b>21</b>                  | <b>27</b> | <b>20</b>              | <b>27</b> | <b>22</b>             | <b>19</b> | <b>24</b>              | <b>23</b> | <b>29</b>              | <b>21</b> | <b>19</b>               | <b>26</b> |     |
|                   | <b>2016-2017</b>   | <b>28</b>                  | <b>18</b> | <b>28</b>              | <b>18</b> | <b>26</b>             | <b>15</b> | <b>26</b>              | <b>15</b> | <b>23</b>              | <b>21</b> | <b>5</b>                | <b>5</b>  |     |
|                   | <b>2015-2016</b>   | <b>14</b>                  | <b>30</b> | <b>17</b>              | <b>25</b> | <b>17</b>             | <b>27</b> | <b>15</b>              | <b>27</b> | <b>11</b>              | <b>38</b> | <b>17</b>               | <b>9</b>  |     |
|                   | <b>2014-2015</b>   | <b>13</b>                  | <b>23</b> | <b>12</b>              | <b>23</b> | <b>13</b>             | <b>21</b> | <b>15</b>              | <b>21</b> | <b>11</b>              | <b>18</b> | <b>14</b>               | <b>10</b> |     |
|                   | <b>2013-2014</b>   | <b>18</b>                  | <b>31</b> | <b>18</b>              | <b>31</b> | <b>13</b>             | <b>33</b> | <b>22</b>              | <b>29</b> | <b>14</b>              | <b>36</b> | <b>14</b>               | <b>16</b> |     |
|                   | <b>2012-2013**</b> | <b>14</b>                  | <b>35</b> | <b>14</b>              | <b>35</b> | <b>17</b>             | <b>33</b> | <b>20</b>              | <b>36</b> | <b>22</b>              | <b>42</b> | <b>20</b>               | <b>17</b> |     |
|                   |                    |                            | Yellow    | Red                    | Yellow    | Red                   | Yellow    | Red                    | Yellow    | Red                    | Yellow    | Red                     | Yellow    | Red |
|                   | <b>2011-2012</b>   | <b>16</b>                  | <b>2</b>  | <b>16</b>              | <b>2</b>  | <b>8</b>              | <b>1</b>  | <b>12</b>              | <b>2</b>  | <b>3</b>               | <b>0</b>  | <b>2</b>                | <b>17</b> |     |
|                   | <b>2010-2011</b>   | <b>11</b>                  | <b>16</b> | <b>11</b>              | <b>16</b> | <b>11</b>             | <b>6</b>  | <b>11</b>              | <b>13</b> | <b>12</b>              | <b>15</b> | <b>7</b>                | <b>6</b>  |     |
|                   | <b>2009-2010</b>   | <b>22</b>                  | <b>22</b> | <b>22</b>              | <b>22</b> | <b>16</b>             | <b>9</b>  | <b>23</b>              | <b>12</b> | <b>17</b>              | <b>29</b> |                         |           |     |
|                   | <b>2008-2009</b>   | <b>14</b>                  | <b>7</b>  | <b>14</b>              | <b>7</b>  | <b>11</b>             | <b>12</b> | <b>15</b>              | <b>7</b>  | <b>7</b>               | <b>17</b> |                         |           |     |
|                   | <b>2007-2008</b>   | <b>16</b>                  | <b>4</b>  | <b>16</b>              | <b>4</b>  | <b>4</b>              | <b>1</b>  | <b>12</b>              | <b>1</b>  | <b>8</b>               | <b>1</b>  |                         |           |     |
| <b>2006-2007*</b> | <b>11</b>          | <b>30</b>                  | <b>11</b> | <b>30</b>              | <b>13</b> | <b>26</b>             | <b>20</b> | <b>17</b>              | <b>14</b> | <b>13</b>              |           |                         |           |     |
| <b>2005-2006</b>  | <b>21</b>          | <b>3</b>                   | <b>21</b> | <b>3</b>               | <b>13</b> | <b>1</b>              | <b>11</b> | <b>0</b>               | <b>8</b>  | <b>0</b>               |           |                         |           |     |
| <b>2004-2005</b>  | <b>20</b>          | <b>2</b>                   | <b>20</b> | <b>2</b>               | <b>0</b>  | <b>0</b>              | <b>0</b>  | <b>0</b>               | <b>18</b> | <b>17</b>              |           |                         |           |     |
| <b>2003-2004</b>  | <b>4</b>           | <b>23</b>                  | <b>4</b>  | <b>23</b>              | <b>1</b>  | <b>15</b>             | <b>12</b> | <b>9</b>               | <b>4</b>  | <b>25</b>              |           |                         |           |     |
| <b>2002-2003</b>  | <b>4</b>           | <b>2</b>                   | <b>4</b>  | <b>2</b>               | <b>0</b>  | <b>0</b>              | <b>0</b>  | <b>0</b>               | <b>1</b>  | <b>1</b>               |           |                         |           |     |
| <b>2001-2002</b>  | <b>11</b>          | <b>8</b>                   | <b>11</b> | <b>8</b>               | <b>7</b>  | <b>3</b>              | <b>9</b>  | <b>5</b>               | <b>22</b> | <b>5</b>               |           |                         |           |     |
| <b>2000-2001</b>  | <b>15</b>          | <b>10</b>                  | <b>15</b> | <b>10</b>              | <b>2</b>  | <b>4</b>              | <b>5</b>  | <b>0</b>               |           |                        |           |                         |           |     |
| <b>PM10</b>       | <b>1999-2000</b>   | <b>1</b>                   | <b>0</b>  | <b>1</b>               | <b>0</b>  | <b>0</b>              | <b>0</b>  | <b>0</b>               | <b>0</b>  |                        |           |                         |           |     |
|                   | <b>1998-1999</b>   | <b>0</b>                   | <b>0</b>  | <b>0</b>               | <b>0</b>  | <b>0</b>              | <b>0</b>  | <b>0</b>               | <b>0</b>  |                        |           |                         |           |     |
|                   | <b>1997-1998</b>   | <b>8</b>                   | <b>3</b>  | <b>8</b>               | <b>3</b>  | <b>0</b>              | <b>0</b>  | <b>0</b>               | <b>0</b>  |                        |           |                         |           |     |
|                   | <b>1996-1997</b>   | <b>4</b>                   | <b>0</b>  | <b>4</b>               | <b>0</b>  | <b>3</b>              | <b>0</b>  | <b>0</b>               | <b>0</b>  |                        |           |                         |           |     |
|                   | <b>1995-1996</b>   | <b>7</b>                   | <b>7</b>  | <b>7</b>               | <b>7</b>  | <b>6</b>              | <b>5</b>  | <b>4</b>               | <b>0</b>  |                        |           |                         |           |     |
|                   | <b>1994-1995</b>   | <b>12</b>                  | <b>7</b>  | <b>12</b>              | <b>7</b>  | <b>5</b>              | <b>5</b>  | <b>0</b>               | <b>0</b>  |                        |           |                         |           |     |
|                   | <b>1993-1994</b>   | <b>9</b>                   | <b>0</b>  | <b>9</b>               | <b>0</b>  | <b>15</b>             | <b>2</b>  | <b>2</b>               | <b>0</b>  |                        |           |                         |           |     |
|                   | <b>1992-1993</b>   | <b>17</b>                  | <b>17</b> | <b>17</b>              | <b>17</b> | <b>11</b>             | <b>23</b> | <b>0</b>               | <b>0</b>  |                        |           |                         |           |     |

\* New PM 2.5 Standard \*\* New State PM 2.5 Forecast

|       | WINTER      | BOX ELDER COUNTY<br>(days) |           | DUCHESNE COUNTY<br>(days) |           | UINTAH COUNTY<br>(days) |           |  |
|-------|-------------|----------------------------|-----------|---------------------------|-----------|-------------------------|-----------|--|
|       |             | Voluntary                  | Mandatory | Voluntary                 | Mandatory | Voluntary               | Mandatory |  |
| PM2.5 | 2018-2019   | 0                          | 0         | 0                         | 0         | 0                       | 0         |  |
|       | 2017-2018   | 23                         | 23        | 11                        | 0         | 10                      | 0         |  |
|       | 2016-2017   | 22                         | 17        | 15                        | 0         | 20                      | 0         |  |
|       | 2015-2016   | 20                         | 19        | 45                        | 0         | 42                      | 0         |  |
|       | 2014-2015   | 8                          | 17        | 19                        | 0         | 14                      | 0         |  |
|       | 2013-2014   | 12                         | 28        | 30                        | 0         | 40                      | 0         |  |
|       | 2012-2013** | 11                         | 17        | 34                        | 0         | 35                      | 0         |  |
|       |             |                            | Yellow    | Red                       |           |                         |           |  |
|       | 2011-2012   | 9                          | 0         |                           |           |                         |           |  |
|       | 2010-2011   | 9                          | 7         |                           |           |                         |           |  |

Please Note:

| Prior PM 2.5 Forecast |                               | New State PM 2.5 Forecast (Starting in the Fall of 2012) |                             |
|-----------------------|-------------------------------|--|-----------------------------|
| Forecast Level        | Pollutant Level               | Action Level   | Pollutant Level             |
| Yellow                | 25.5 $\mu\text{g}/\text{m}^3$ | Voluntary  | 15 $\mu\text{g}/\text{m}^3$ |
| Red                   | 35.5 $\mu\text{g}/\text{m}^3$ | Mandatory  | 25 $\mu\text{g}/\text{m}^3$ |

**"Unrestricted Action"** – Solid fuel-burning devices may be used, but visible emissions must meet air quality regulations (see R307-302-5).

**"Voluntary Action"** – Individuals are asked to voluntarily not use **solid fuel** burning devices, reduce/stop **open burning**, and reduce **vehicle use** by consolidating trips. Industry also is advised to minimize the release of air pollution.

**"Mandatory Action"** – **Solid fuel** burning devices must not be used. **Open burning** may not occur; including fire pits, fire rings, and campfires. Reduce **vehicle use** by consolidating trips. Industry also is advised to minimize the release of air pollution.