AT&T and DIRECTV now part of the AT&T family, are signatories to the Voluntary Agreement for Ongoing Improvement to the Energy Efficiency of Set-Top Boxes (“VA”). As signatories, AT&T and DIRECTV are committed to procure 90% of new set-top boxes per the ENERGY STAR® Version 3.0 standard (2014 Annual Report). We also agreed to provide Typical Energy Consumption (TEC) for set-top box models that are available to customers. The information of those devices is provided below. More information about the AT&T and DIRECTV’s sustainability programs is available here (AT&T, DIRECTV).

### DIRECTV Set-Top Box Models, Functionality and Energy Consumption

<table>
<thead>
<tr>
<th>Description</th>
<th>Model</th>
<th>Functionality</th>
<th>Energy Consumption</th>
<th>ENERGY STAR Version</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
<tr>
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<td>TEC (kWh / yr)</td>
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<td>Thin Client C61K-700</td>
<td>APD, Ultra HD, TC HEVP, HNI</td>
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<td>9.5</td>
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</table>

### AT&T Set-Top Box Models, Functionality and Energy Consumption

<table>
<thead>
<tr>
<th>Description</th>
<th>Model</th>
<th>Functionality</th>
<th>Energy Consumption</th>
<th>ENERGY STAR Version</th>
</tr>
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<tbody>
<tr>
<td>DVR VIP 2250</td>
<td>DVR, AVP, HD, MS-T/I, MR</td>
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<td>Non-DVR VIP 2500</td>
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</table>

### Set-Top Box Features, Descriptions and Allowances

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
<th>ENERGY STAR TEC allowance (kWh/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>APD</td>
<td>Automatic power down (APD) monitors parameters correlated with user activity or viewing; if the parameters collectively indicate that no user activity or viewing is occurring, the APD feature enables the device to transition to a sleep mode or OFF mode</td>
<td>N/A</td>
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<tr>
<td>AVP</td>
<td>Advanced video processing (AVP) enables set-top box to encode, decode, and/or transcode audio/video signals</td>
<td>N/A</td>
</tr>
<tr>
<td>DVR</td>
<td>A digital video recorder (DVR) allows set-top boxes to store digital video files to a rewritable disk or other integrated storage device</td>
<td>45</td>
</tr>
<tr>
<td>HD</td>
<td>High definition (HD) makes set-top boxes capable of transmitting video signals with resolution greater than or equal to 720p</td>
<td>N/A</td>
</tr>
<tr>
<td>HNI</td>
<td>Home network interfaces (HNIs) allow set-top boxes to interface with external devices via a high-bandwidth local area network</td>
<td>17</td>
</tr>
<tr>
<td>MR</td>
<td>Multi-room (MR) functionality enables set-top boxes to provide independent audio/video content to multiple devices within a single household</td>
<td>56</td>
</tr>
<tr>
<td><strong>MS-C/S</strong></td>
<td>Multi-stream (MS) for cable and satellite (C/S) is the capability to deliver multiple simultaneous audio/video streams to a single display, thin-client/remote set-top box, or recording device over coax or via satellite</td>
<td>16</td>
</tr>
<tr>
<td><strong>TC HEVP</strong></td>
<td>Thin client high efficiency video processing: Video decoding providing compression efficiency significantly higher than H.264/AVC, for example HEVC (H.265)</td>
<td>5</td>
</tr>
<tr>
<td><strong>MS-T/I</strong></td>
<td>Multi-stream (MS) for terrestrial IP (T/I) is the capability to deliver multiple simultaneous audio/video streams to a single display, thin-client/remote set-top box, or recording device via encapsulated IP packets</td>
<td>16</td>
</tr>
</tbody>
</table>