# RAH NWP Reference (updated 2016/08/25)

| Modeling Systems | Initial Time | Forecast Hours | | Horizontal Resolution | Vertical Levels |
|---|---|---|---|---|---|
| HRRR | Hourly | 18 | | 3 km | 50 |
| RAP | Hourly | 21 | | 13 km | 50 |
| NAM NMM-B | 00/06/12/18 | 84 | | 12 km | 60 |
| GFS | 00/06/12/18 | 0-240 | | 13 km | 64 |
| GFS | 00/06/12/18 | 240-384 | | 35 km | 64 |
| ECMWF (HRES 41r2) | 00/12 | 240 | | 9 km | 137 |
| GDPS (CMC) | 00/12 | 240 | | 25 km | 79 |
| **Ensemble Modeling Systems** | **Initial Time** | **Forecast Hours** | **Ensemble Members** | **Horizontal Resolution** | **Vertical Levels** |
| SREF | 03/09/15/21 | 0-87 | 26 | 16 km | 40 |
| GEFS | 00/06/12/18 | 0-192 | 21 | 33 km | 42 |
| GEFS | 00/06/12/18 | 192-384 | 21 | 55 km | 42 |
| ENS (EC Ensemble) | 00/12 | 0-240 | 51 | 16 km * | 91 |
| CEFS (GEPS) | 00/12 | 384 | 21 | 50 km | 74 |

* ENS horizontal resolution is ~18 km for days 0-15 and ~36 km for days 16-45