

PLANNING BMP's

- * Share/consolidate corridors for pipeline ROWs to the maximum extent possible.
- * Maximize the utility of surface facilities by developing multiple wells from a single pad (directional drilling), and by co-locating multipurpose facilities (for example, well pads and compressors) to avoid unnecessary habitat fragmentation and disturbance of additional geographic areas.
- * Minimize newly planned activities and operations within 300 feet of the ordinary high water mark of any reservoir, lake, wetland, or natural perennial or seasonally flowing stream or river.
- * Locate roads outside of drainages where possible and outside of riparian habitat.

- * Combine and share roads to minimize habitat fragmentation
- * Where possible, consolidate pipeline and existing roadways, or roadways that are planned for development
- * Place roads to avoid obstructions to migratory routes for wildlife, and to avoid displacement of wildlife from public to private lands.
- * Maximize use of remote completion/frac operations to minimize traffic
- * Maximize use of remote telemetry for well monitoring to minimize traffic
- * Phase and concentrate development activities, so that large areas of undisturbed habitat for wildlife remain.
- * Maintain undeveloped areas within development boundaries sufficient to allow wildlife to persist within development boundaries during all phases of construction, drilling, and production.
- * Minimize the duration of development and avoid repeated or chronic disturbance of developed areas. Complete all anticipated drilling within a phased, concentrated, development area during a single, uninterrupted time period.

CONSTRUCTION BMP's

- * Close and reclaim roads not necessary for development, including removing all bridges and culverts and recontouring/reclaiming all stream crossings.

- * Structures for perennial or intermittent stream channel crossings should be constructed using appropriately sized bridges or culverts
- * Design road crossings of streams at right angles to all riparian corridors and streams to minimize the area of disturbance to the extent possible.

DRILLING/COMPLETIONS BMP's

- * Use centralized hydraulic fracturing operations.
- * Install and maintain adequate measures to exclude all types of wildlife (e.g., big game, birds, and small rodents) from all fluid pits (e.g., fencing, netting, and other appropriate exclusion measures).

- * Conduct well completions with drilling operations to limit the number of rig moves and traffic.

PRODUCTION/RECLAMATION BMP's

- Restore both form and function of impacted wetlands and riparian areas and mitigate erosion.
- Remove well pad and road surface materials that are incompatible with post-production land use and re-vegetation requirements
- Use only certified weed-free native seed in seed mixes, except for non-native plants that benefit wildlife
- WPX Energy will use certified, weed free grass hay, straw, hay or other mulch materials used for the reseeding and reclamation of disturbed areas.
- Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents and openings.

- Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multi-function contractors.