National Agriculture Imagery Program (NAIP)

3 Year Cycle Program Parameters And Partnering Information

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Main Topics

• NAIP Background
• 3 Year Cycle Parameters
• Cost Share Partnerships
• Questions and Answers
NAIP 2002-2007

• Annual coverage
  – 2 meter resolution
  – Agland Coverage
    • Defined by FSA Common Land Unit (CLU)

• “GIS Base” replacement on 5 year cycle
  – 1 meter resolution
  – Full state coverage
USDA Base Map – Keeping Farm Records Current

Harlan County, KY
1998 Ortho
USDA Base Map – Keeping Farm Records Current

Harlan County, KY
2004 NAIP
NAIP 2002-2007

• Inconsistent funding
  – Full funding only happened once - 2006.

• Change in key FSA requirement
  – new method for Ag program “compliance”
  – 2 meter NAIP was geared to support “compliance”
NAIP 2009-2011
2008 is a transition year

• “Base” imagery on a 3 year cycle
  – Build in more stability and consistency
  – 1 meter
  – Based on Agland/CLU coverage
  – Continually improve quality
  – Transition to better accuracy specification
NAIP 2009-2011

• Deliverables
  – Compressed County Mosaics (CCMs)
    • 15:1 Compression
    • MrSID MG3 Format for natural color
    • J2000 for “4 band”
    • Delivered 30 days after flying season
  – Quarter Quads
    • GeoTIFF
    • Uncompressed
    • Delivered to partners after QA/ contract close

• Flying Season
  – Peak crop growing conditions

• Projection
  – UTM
  – Single zone CCMs
NAIP Coverage of Agricultural Areas
Land Ownership in Cedar City, UT Area

BLM
USFS
NPS
Cost Share Partnerships

• Buy-up to full state coverage
  – Partners pay 100% of Non-CLU coverage

• Buy-up to 4 band
  – Partners pay 100% of costs

• Buy up “out of cycle” coverage
  – Partners pay 100% of costs
  – Can be partial coverage of states, subject to approval
  – States out of cycle will maintain 3 year cycle
Partnership Details
Cost Share Amounts

• Minimum cost share amount applies to partners at the state level
  – 10% of FSA costs (for individual state CLU coverage) or $21,500 whichever is higher
Example

Idaho 41% CLU

Scenario: Full Federal Cost Share
State has $200,000

State can apply $158,000 to buy-up

<table>
<thead>
<tr>
<th>Coverage</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Full State Coverage</td>
<td>$1,402,230</td>
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<tr>
<td>FSA core coverage (Based on CLU)</td>
<td>$584,585</td>
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<tr>
<td>Minimum cost share</td>
<td>$58,458</td>
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</tbody>
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Secondary Contracts

• Secondary contract is between NAIP contractor and 3\textsuperscript{rd} party that leverages NAIP acquisition

• Encouraged \textit{with partners}
  – \textit{Utah 06}
    • CIR, higher accuracy, hi res, elevation
  – \textit{Texas 08}
    • Half meter

• Secondary contracts must not negatively affect primary NAIP deliverable
  – Example: Half meter could increase flying season requirements and risk to primary deliverables
Cost Share Estimates

• Estimates
  – Many variables
    • Federal agency budgets
    • Vendor bids

• See link for estimates
  http://www.fsa.usda.gov/Internet/FSA_File/naip_cost_share_est.doc
Incentives for partners

• Full State Coverage
• Prioritized delivery at no cost
  – CCMs when delivered from contractor
  – Quarter Quads when through QA
• Custom Area of Interest (AOI)
  – Minimum cost share must be met first
• Buy up to “4 Band”
• Secondary contracts are possible
  – Subject to FSA approval
Questions and Answers

• Question: What happens if a state makes the minimum cost share and there are no additional partners? (not enough funding for full state coverage)

• Answer: FSA will fund Ag/CLU coverage only if only the minimum is met. Cost share agreements can be canceled.
Questions and Answers

• **Question:** What are the incentives for partners to cost share in high ag states? (where larger majority of area will be flown anyway).

• **Answer:** Complete full state coverage (important to most states even if only a few QQs short); deliverables when available at no cost; ability to buy-up to 4 band; ability to enter into secondary contracts.
Questions and Answers

• **Question:** Will FSA contribute to off-cycle contracts by partners?

• **Answer:** No. Since annual budget estimates are for specific states, contributions to states that are out of cycle would lead to a funding shortfall for in-cycle states.
Questions and Answers

• **Question:** Can partners fund less than full state coverage?

• **Answer:** Yes, subject to conditions.
Questions and Answers

• **Question:** Can 4 Band buy-up be applied to AOIs (less than full state)?

• **Answer:** No. We can’t have multiple products for a single state project.
Questions and Answers

• Question: Can coverage buy-up be applied to AOIs (less than full state)?

• Answer: Yes, but flight planning rules will apply – no isolated QQs.
Questions and Answers

• Question: Are buy-ups directly through the NAIP contract?

• Answer: Yes. This means that buy ups will be standard NAIP and will be readily available for FSA
Questions and Answers

• Question: Would partner consortiums for buy-ups, including feds, need to go through a single POC at the state?

• Answer: yes
More Questions?

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“Support documents”