



## Purpose and Needs Matrix

| Alternatives | Meets Purpose |  | Meets Needs |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | Study Purpose | USACE <br> purpose | System <br> Linkage | Safety <br> Concerns | Traffic <br> Congestion |
| No-Build | No | No | No | No | No |
| Alternative 1-Upgrade | No | No | No | No | No |
| 2B-2 | No | No | No | Yes | No |
| 3A-3EIK-1 | Yes | Yes | Yes | Yes | Yés |
| 3EIK-2 | Yes | Yes | Yes | Yes | Yés |
| 5A2E3K | Yes | Yes | Yes | Yes | Yes |
| 5A2E3K-1 | No | No | No | Yes | No |
| 5A2E3K-2 | Yes | Yes | Yes | Yés | Yés |
| 5B2E3K-1 | Yes | Yes | Yes | Yes | Yés |

Impacts to Land Use (acres)

|  | 丞 | $\begin{aligned} & 8 \\ & \text { 8 } \\ & \text { E } \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { E } \\ & \frac{3}{3} \\ & \frac{3}{3} \\ & \end{aligned}$ |  | 告 0 0 0 | $\frac{3}{3}$ |  |  | $\begin{aligned} & \text { E } \\ & \hline 0 . \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No-Build | - | - | - | - | - | - | - | - | - |
| Alternative 1 Upgrade | 1 | 0 | 8 | 2 | 0.5 | 0.5 | 13 | 0 | 25 |
| 2B-2* | 4 | 0.5 | 14 | 5 | 7 | 15.5 | 62.5 | 0.5 | 109 |
| 3A-3EIK-1 | 5 | 0.5 | 7 | 5 | 5 | 17.5 | 146.5 | 0.5 | 187 |
| 3EIK-2 | 4 | 2 | 5 | 7 | 6 | 8 | 168 | 0 | 200 |
| 5A2E3K | 10 | 3 | 25 | 9 | 6 | 24 | 137.5 | 0.5 | 215 |
| 5A2E3K-1* | 5 | 4 | 15 | 7 | 6 | 21 | 72.5 | 0.5 | 131 |
| 5A2E3K-2 | 10 | 4 | 15 | 8 | 9 | 23 | 140 | 0 | 209 |
| 5B2E3K-1 | 12 | 0.5 | 18 | 12 | 8 | 25 | 124 | 0.5 | 200 |

*Note: Does not satisfy the long-term system linkage need that is satis fred by other study alternatives.

## Displacements

| Aftermative | Residences | Busincsses |
| :---: | :---: | :---: |
| Alternative 1 Upgrade | 8 | - |
| 28-2* | 10 | - |
| 3A-3EIK-1 | 7 | - |
| 3EIK-2 | 3 | Garrett's A.uto Sale, Swish Maintenance, Ltd., Carpet Wforld |
| 5A2E3K | 9 | Brewer Fence Company, Eden Pure Heaters, and Mitchell's Landscaping and Garden Center |
| 5A2E3K-1* | 8 |  |
| 5A2E3K-2 | 10 |  |
| 5B2E3K-1 | 10 | Bangor Electric Co. Building, and Maritimes and Northeast Pipeline LLC clo Duke Energy Compressor Station |

Wote: Does not satisfy the long-tem system linkage need that is satisfied by other study altematives.

Impacts to Streams, Wetlands, and Floodplains

|  | Straams <br> (fin foct) | Weatands <br> (inacres) | Floodplains <br> (in acres) |
| :--- | :---: | :---: | :---: |
| No-Build | - | - | - |
| Alternative 1 Upgrade | - | 7 | - |
| 2B-2* | 850 | 48 | 20 |
| 3A-3EIK-1 | 1,730 | 69 | 32 |
| 3EIK-2 | 1,510 | 57 | 11 |
| 5A2E3K | 1,070 | 80 | 7 |
| 5A2E3K-1* | 800 | 45 | 8 |
| 5A2E3K-2 | 1,260 | 76 | 6 |
| 5B2E3K-1 | 2,230 | 81 | 24 |

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## Next Steps...

- DEIS/Section 404 Permit Application Late Summer / Fall 2009
- Public Hearing
- Public Comments
- FEIS/Section 404 Permit Application
- ROD
- Final Engineering Design
- Complete Applications/Receive Permits
- Construction


[^0]:    *Note: Does not satisfy theiong-term system linkage need that is satisfied by other
    study alternatives.

