

SPARS Tentative Modernization Plans

- SLEIS Analysis (First half of 2013)
 - Confirm if SLEIS is a viable upgrade option
 - High level requirements, time and cost estimates
- SLEIS Data Migration and Internal Implementation (2013-15)
 - Detailed requirements
 - Data migration
 - Implement SLEIS internally and use for EIS submission to EPA
 - Funding from Exchange Network grant
- SLEIS Full Implementation
 - Permit applications
 - Used internally and by industry
 - Requires additional funding

SLEIS Analysis Study

- Gathered Stakeholder Feedback
- Conducted SLEIS testing
- Defined SLEIS customizations needed for EI and permitting
- Defined data migration requirements and data mapping
- Developed data migration time and cost estimates
- Did conversion impact analysis
- Obtain estimates from vendor for SLEIS customizations
- Develop conversion plan

What Questions Should Study Answer?

- Is SLEIS a viable upgrade option?
- How would the upgrade be done (Steps and timeframes)?
- What would it cost?

Is SLEIS a Viable Upgrade Option?

Factor	Question to Ask	SLEIS Comments
FIT	How well does the application match the business and technology needs for the organization?	SLEIS uses DNR standard .NET and SQL Server technologies, and integrates directly into the Exchange Network for communicating with EPA. From a business standpoint, it matches reasonably well with emission inventory requirements but needs major additions to support permit application needs.
FEATURES	What features does the application provide, and will they be useful for the organization?	SLEIS features that were identified as useful by stakeholders include: ability to import emissions, the built in node client which enables direct EIS submissions to EPA, ability to make some system modifications by configurations (rather than programming), and built in CROMERR (electronic record submission) functions.
FUTURE	Is the application positioned to support the organization's requirements into the future?	SLEIS is based upon the latest emissions data reporting format. The SLEIS vendor has a good reputation for maintaining and supporting their products, and a growing base of user states should help drive future sustainability.
FLEXIBILITY	How easy is it to modify and adapt the application?	SLEIS is designed to allow some types of modifications to be done easily without programming. However, use of a system shared with other states may require additional time to define changes and enhancements, and may require design compromises that could limit flexibility.
FINANCIALS	What are the immediate and long term costs for the application?	SLEIS would involve fairly substantial short term costs for customization and conversion. In the long term, the expectation would be that costs would be lower for several reasons: system cost sharing with other states, elimination of Oracle/PowerBuilder/Appeon licensing, reduction of EIS submission manual work, and shared infrastructure support.

Decision Point Tradeoffs

- Custom versus shared software model
- Upgrade cost and impact versus benefits of new/standard technology
- Risks of not upgrading

How Would the Upgrade be Done?

SLEIS Implementation Phase	Start	End	Q4 13			Q1 14			Q2 14			Q3 14			Q4 14			Q1 15			Q2 15
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Develop detailed customization requirements (including permitting) working with Windsor and other states	10/1/2013	1/31/2014	Requirements (including permitting) working with Windsor and other states																		
SLEIS customization development & testing (Windsor)	2/3/2014	5/30/2014	SLEIS customization development & testing (Windsor)																		
Data Migration detailed requirements(DNR)	10/1/2013	11/1/2013	Failed requirements(DNR)																		
Data Migration development (DNR) (Site Mgmt and current EI year)	11/1/2013	5/1/2014	Data Migration development (DNR) (Site Mgmt and current EI year)																		
Implement SLEIS for internal use with migrated EI data	6/2/2014	8/1/2014	Implement SLEIS for internal use with migrated EI data																		
Data Migration for earlier EI years	8/1/2014	10/31/2014	Data Migration for earlier EI years																		
Develop permit application data migration	11/3/2014	3/4/2015	Develop permit application data migration																		
Implement permit application additions to SLEIS with migrated permit data	3/2/2015	3/31/2015	Implement permit application additions to SLEIS																		

What Would it Cost?

Data Migration

Detailed requirements, database migration, attachment migration, testing

Includes Site Management and current Emission Inventory

20-28 weeks

\$68,810 - \$96,330

Additional time for migrating earlier EI's, and permit data (if included)

SLEIS Customization

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