



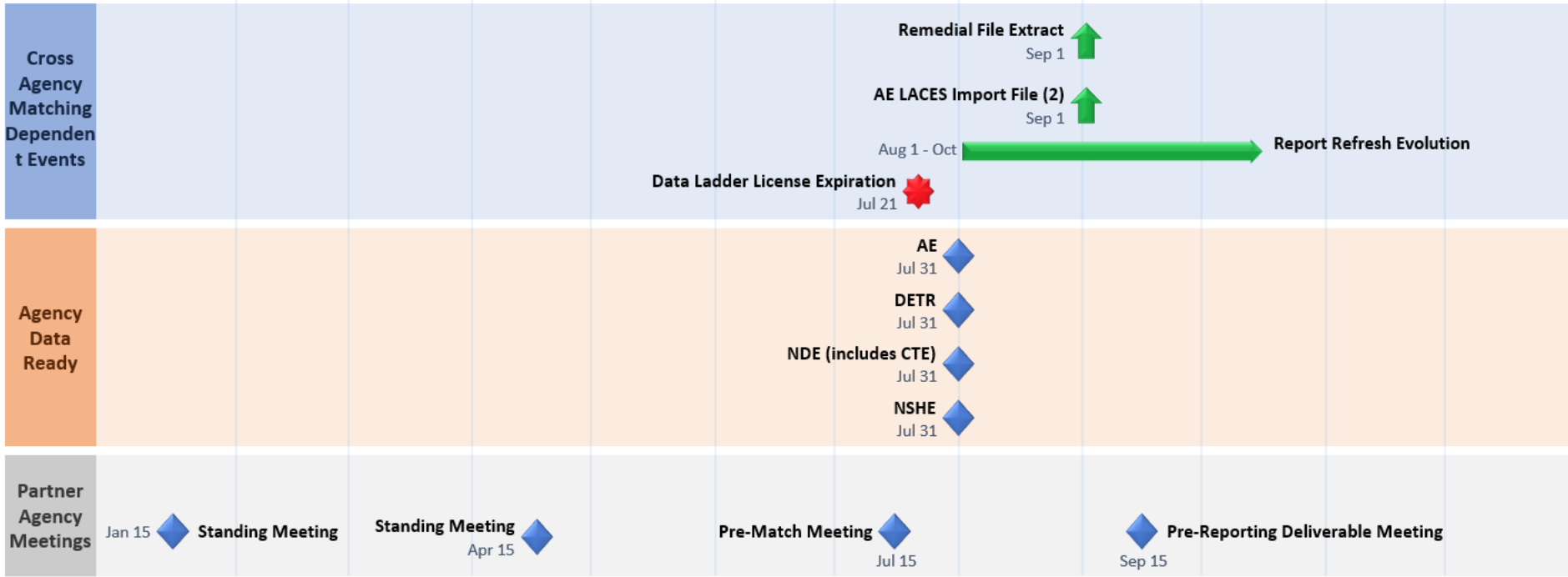
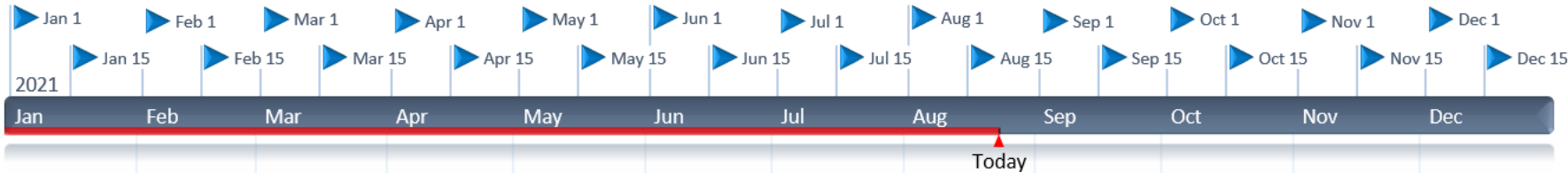
Nevada P-20 to
Workforce
Research Data
System



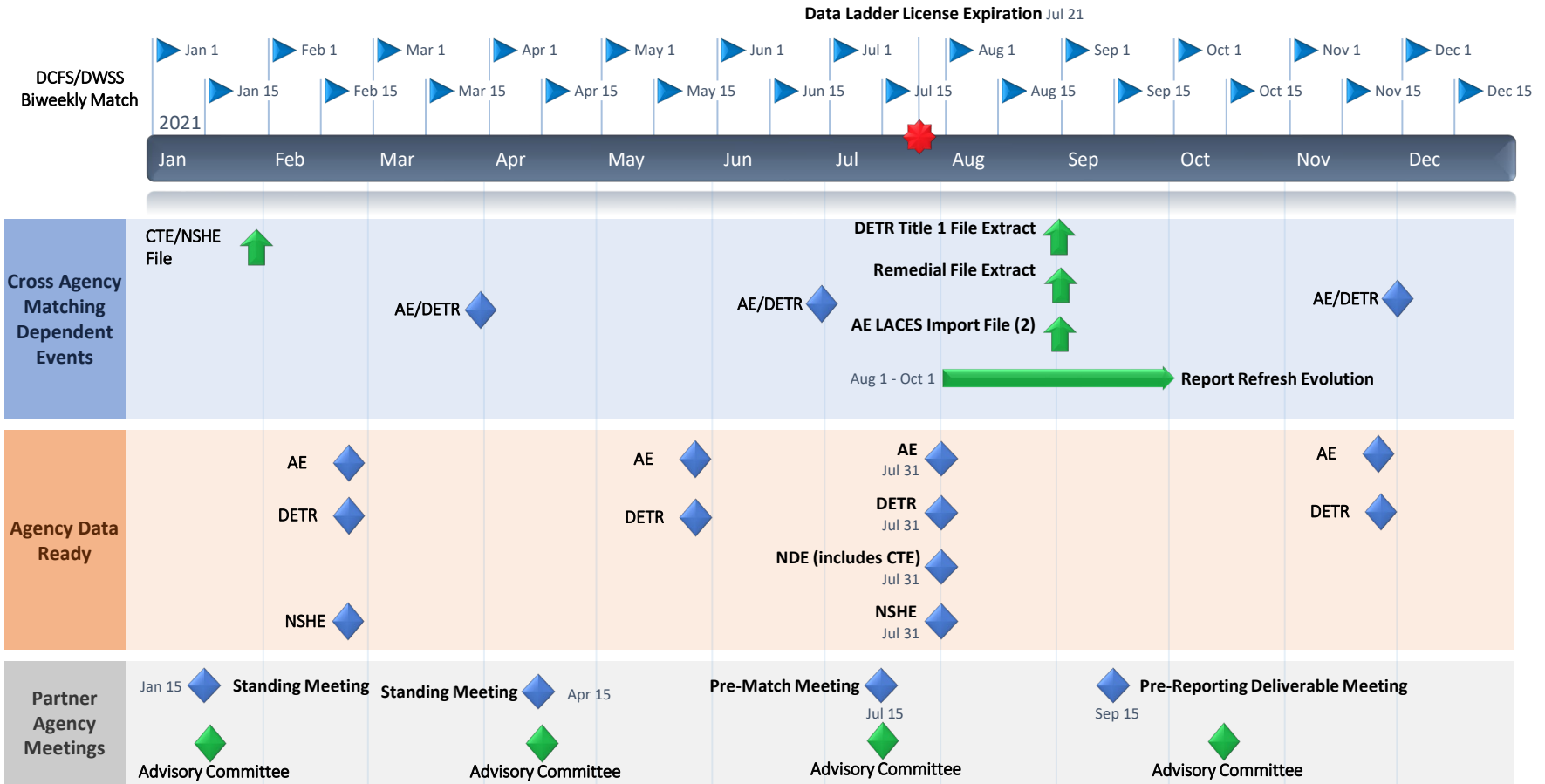
Agenda

- Annual Schedule Overview
- Program Manager Status
- Program Activities
 - Onboarding
 - Reports
 - Matching
 - Research
 - Cloud Migration
- Discussion and Actionable Items
 - Strategic Target Agencies
 - Identity Management Resolution
 - Governance
 - Public Awareness

Annual Schedule: January 14, 2022



Annual Schedule: July 22, 2022



Program Manager Status

- Interviews conducted in February and March
 - 6 applications
 - 6 interviewees
 - Offer made and declined
- Position reopened in May and interviews conducted in June
 - 4 applications
 - 3 interviews
 - Offer made and declined
- Position requires reclassification
- Stop gap identified to leverage contracted resource through Knowledge Services

Major Activities: Data Onboarding

- Title I Data (DETR)
 - DETR is working with Title I data provider (3rd party vendor) to deliver data extract of all Title I data to NPWR
 - Anticipated onboarding during the upcoming annual match event
- Early Childhood (NDE)
 - NDE is onboarding Early Childhood demographic data to be included in the annual match
 - Payload data is expected to be onboarded during the Fall of 2022



Major Activities: Agency Onboarding

- Department of Corrections
 - NDOC internally approved, pends approval from partner agencies
 - Anticipated onboarding Fall/Winter of 2022
- Department of Veteran Services
 - NDVS internally approved, pends approval from partner agencies
 - Anticipated onboarding Fall/Winter of 2022



Major Activities: Reports

- **Adult Education and Family Literacy Act Performance dashboard**
 - Validation in progress
 - Delta between public Federal Report identified due to a Federal data refresh
 - Pending validation, dashboard is anticipated to be publicly during the annual report refresh evolution
- **CTE Outcomes across NSHE and DETR (Proposed):**
 - Design and development complete
 - Pends promotion, validation and approval during the annual report refresh evolution
 - Will be available to authorized users through the Private Reporting Portal



Major Activities: Matching

- Bi-weekly matches complete:
 - DCFS
 - DWSS
 - No events in July
- Cross Agency Matching
 - To best support the AE/DETR Title II reporting updates, NPWR will conduct quarterly cross agency matches
 - This matching event is separate from the report refresh and will not impact report validation completed for the public and private reports hosted by NPWR
 - Supports additional agency data refreshes throughout the year – NSHE will conduct biannual refreshes

Major Activities: Matching



Major Activities: Research

- First researchers are identified and will be onboarded into the NPWR Research Portal
 - Sponsorship by NDE
 - RAND Corporation

Major Activities: Cloud Migration

- Cloud migration commenced
 - Phase I – complete August 2022
 - Public Reporting Portal
 - Public Website
 - PowerBI Reports
 - Phase II – complete June 2023
 - Research Portal
 - Private Reporting Portal
 - Governance Components
 - Phase III – complete December 2023
 - Data Repositories
 - Matching Services
 - Data Manager
 - Data Adapters

Discussion: Strategic Targets

	Not Intersected	Intersected
DETR	3,267,182	4,292,754
NSHE	93,045	1,154,031
NDE	906,481	1,343,805
AE	6,890	23,254
Total	4,273,598	6,813,844
	39%	61%

- Nevada Department of Motor Vehicles
 - Increase the match rate across NPWR
 - Bring greater value to Nevadans through more matched payload data
 - Unleashes answers to Workforce questions such as:
 - What does someone who did not receive a high school diploma or equivalent earn in wages?
 - What does someone who does not attend an NSHE institution earn in wages?
- Department of Employment, Training and Rehabilitation
 - Additional Title data
- Nevada Department of Education
 - Non-graduate data



Discussion: Identity Management Resolution

- Process in which USPI's are persisted
- Supports inner and cross agency matching
- Accounts for demographic data changes
 - First/Middle/Last names due to marriage, adoption etc
 - Data entry error (mis-typed birthdates, names, etc)
 - Race/Ethnicity identification
 - Other demographic data changes
- Historical reports and numbers do not change
 - Eliminates time-consuming effort of agencies to validate historical reports.



Discussion: Identity Management Resolution

- Impacts Scope of Work (Attachment AA)

- Section 2
- Section 3.2
- Section 3.3

Section 2. Purpose. This Agreement is entered into by the NDE, NSHE, DETR, GOWINN, NDVS, and NDOC to link data between the four agencies through the Nevada Statewide Longitudinal Data System (SLDS), aka Nevada P-20 to Workforce Research Data System (NPWR). **The individuals will be matched anonymously within the data matching hub and assigned a unique identifier that enables analysis between the four agencies but de-identifies the individual so that no personally identifiable information is linked to the record.**

Section 3. Responsibilities of Parties.

3.1 GOWINN, NDE, NSHE, DETR, NDVS, and NDOC will provide access to record-level data for the purpose of: (1) matching individuals within the matching hub and creating a statewide unique identifier that serves to de-identify the individual; (2) generating reports by the four agencies; and, (3) approving researcher data requests.

3.2 **Ownership of data will be retained by each agency and will be stored on the agencies' servers with access to the data by the NPWR as necessary. No Personally Identifiable Information data is stored within the NPWR.**

3.3 **The individual data is de-identified within the matching hub. No personally identifiable data is stored beyond the time necessary to match and provide the unique ID.**



Discussion: Identity Management Resolution

- **Current:** Section 2. Purpose. This Agreement is entered into by the NDE, NSHE, DETR, GOWINN, NDVS, and NDOC to link data between the four agencies through the Nevada Statewide Longitudinal Data System (SLDS), aka Nevada P-20 to Workforce Research Data System (NPWR). The individuals will be matched anonymously within the data matching hub and assigned a unique identifier that enables analysis between the four agencies but de-identifies the individual so that no personally identifiable information is linked to the record.
- **Proposed - Section 2:** This agreement is entered into by the ~~NDE, NSHE, DETR, GOWINN, NDVS and NDOC~~ participating partner agencies to link data between the ~~##~~ partner agencies through the Nevada Statewide Longitudinal Data System (SLDS), aka Nevada P-20 to Workforce Research Data System (NPWR). The individuals will be matched ~~anonymously~~ within the matching server and assigned a unique identifier, these unique identifiers will be imported into the Data Hub to enable analysis between the ## agencies but de-identifies the individual so that no personally identifiable information is linked to the record. To increase the value for federal and state reporting requirements, the USPI's will persist for each matched individual. This requires the storage of personally identifiable information used to match. This information will be stored in the matching server. The matching server will continue to be a compartmentalized server with no connectivity to the rest of the NPWR solution except through intentional and manual methods completed by users authorized by the sponsor (GOWINN) and partner agencies and with the appropriate level of access, permissions, and requirements.

Discussion: Identity Management Resolution

- **Current:**
 - 3.2 Ownership of data will be retained by each agency and will be stored on the agencies' servers with access to the data by the NPWR as necessary. No Personally Identifiable Information data is stored within the NPWR.
- **Proposed - ~~Section 3.2:~~** ~~Ownership of data will be retained by each agency and will be stored on the agencies' servers with access to the data by the NPWR as necessary. No Personally Identifiable Information data is stored within the NPWR.~~
 - Recommend removing Section 3.2 entirely. NPWR technical provider hosts DETR data currently and recommend leaving opportunity for other agencies to hosted by technical provider if required.

Discussion: Identity Management Resolution

- **Current:** 3.3 The individual data is de-identified within the matching hub. No personally identifiable data is stored beyond the time necessary to match and provide the unique ID.
- **Proposed - Section 3.3:** The individual data is de-identified within the matching server in the final output (crosswalk table). This cross walk table is brought into the NPWR database for data retrieval requirements and contains no Personally Identifiable data. Personally Identifiable Data will be stored in the matching server persist the random unique identifier assigned to each individual. The matching server will continue to be a compartmentalized server with no connectivity to the rest of the NPWR solution except through intentional and manual methods completed by users authorized by the sponsor (GOWINN) and partner agencies and with the appropriate level of access, permissions, and requirements.

Discussion: Governance & Onboarding Process

- Current process is labor intensive due to agencies being required to resign documentation for each onboarding agency
- Effectively creates a barrier to entrance
- Recommend redesigned onboarding process
 - Due to Nevada's workforce initiatives and focus, NPWR is receiving unprecedented agency interest and is positioned to serve as the backbone for the workforce data needs
 - Reengineered onboarding process is advised to meet the demand for agency onboarding and remove the current administrative barrier to entrance

Discussion: Increasing Usage & Public Awareness

- Methods to increase awareness and utilization of NPWR and the data
 - Public Awareness Campaign
 - Newsletters
 - Email campaign
 - NPWR Forum
 - School Administrators
 - School Counselors
 - School Teachers
 - Local Board of Educations
 - Research Institutions