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| **Problem** | **Solution / Hypothesis** | **Unique Value** **Proposition** | | **Potential Data Sets** | **Stakeholders & Customers** |
| City Presentation currently has a budget of approx. $5M for sportsground watering, but consistently requires an additional $2-3M per year to meet operational requirements.  Currently this watering is the most expensive service delivered by City Presentation.  Watering strategies are needed to improve drought tolerance of grass, and vary depending upon specific circumstances of each sportsground (soil profile etc).  Identify the watering requirement for sportsground and ascertain business operational efficiency. | Undertake an analytics project to predict the amount of water required to perform watering operations.  To find business operational efficiencies and also understand the baseline funding required for watering sports grounds in Canberra. | **Benefits:**  Application of data analytics methods to identify potential efficiency gains in existing watering / operating strategy  Application of data analytics methods to also predict likely future water / funding costs to provide evidence basis for funding application  **Strategic Alignment:**   * The Active 2020 Strategy * The Healthy Weight Action Plan * Connecting & Building Recreation: a vision for the Territory * Government priority: Enhancing liveability & social inclusion / Suburban renewal & better transport | | Icon Water (meter data / previous bills past 10yrs)  Rainbird system data (water monitoring & control)  Bureau of Meteorology data (evaporation rates / weather patterns)  Sportsgrounds booking system data  Sportsgrounds asset data (spatial data) | **Business Sponsor:**  Ben McHugh  **Main Business Area:**  Sports & Recreation Facilities City Presentation  **Main Contact:**  Ross Burden  **Stakeholders:**  Trish Campbell – water bills  Phil Davies – Warramanga depot  Ned McRae – water saving meter initiative  TCCS Finance, Legal & Sustainability teams  **Other Directorates / Agencies:**  CMTEDD |
| **Complexity - Type** | **Risk / Issues** |
| Data Access: low complexity  Data science system modelling: high complexity  Report collation: low / moderate complexity | Clear communication of key principles in watering strategy required to ensure that key stakeholders understand the need for watering strategy, and that current operations are not wasteful |
| **Strategic Alignment** | **Clear Problem Statement** | **Actionable Impact** | | **Available data** | **Buy-in from Stakeholders** |
| High | Med | High | | Med | High |
| **Cost and Resources** | | | **Key Success Indicators** | | |
| N/A | | | * Identification / confirmation that current/new watering strategies as required * Water demand forecasting algorithm development | | |